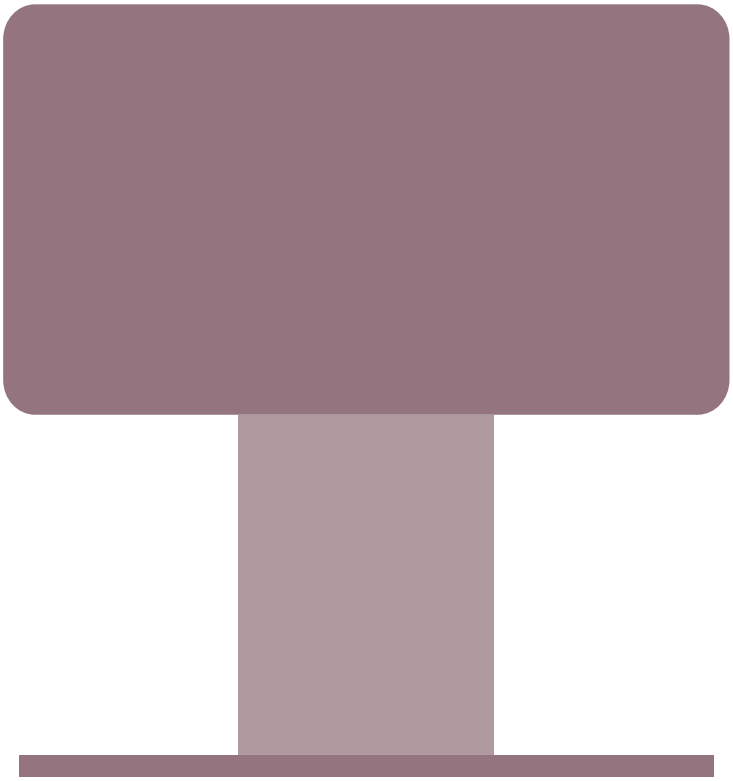
SONY

2-670-721-**11**(4)



TV Integrated AV System

Operating Instructions

ESPRIT

TAV-L1

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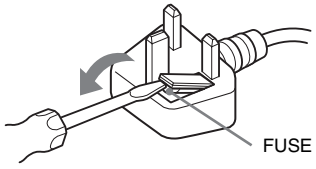
⚠ Before operating the system, please read the "Safety Information" section of this manual. Retain this manual for future reference.

NOTICE FOR CUSTOMERS

A moulded plug complying with BS1363 is fitted to this equipment for your safety and convenience. Should the fuse in the plug supplied need to be replaced, a 13 AMP fuse approved by ASTA or BSI to BS 1362 (i.e., marked with ⓐ or ⓑ) must be used. When an alternative type of plug is used it should be fitted with a 13 AMP FUSE, otherwise the circuit should be protected by a 13 AMP FUSE at the distribution board.
If the plug supplied with this equipment has a detachable fuse cover, be sure to attach the fuse cover after you change the fuse. Never use the plug without the fuse cover. If you should lose the fuse cover, please contact your nearest Sony service station.



How to replace the fuse

Open the fuse compartment with a blade screwdriver, and replace the fuse.

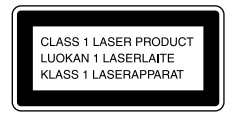
WARNING

- This apparatus has to be connected to a mains socket outlet with a protective earthing connection.
- To prevent the risk of electric shock, if the mains lead or plug is damaged, do not insert the plug into the mains socket outlet. This plug cannot be used and should be destroyed.
- Dangerously high voltages are present inside the system. Do not open the cabinet. Refer servicing to qualified personnel only.
- Do not install the appliance in a confined space, such as a bookcase or built-in cabinet.

To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.

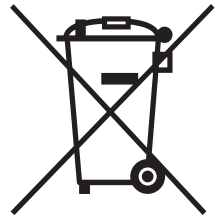
To prevent fire, do not cover the ventilation of the apparatus with news papers, table-cloths, curtains, etc. And don't place lighted candles on the apparatus.
To prevent fire or shock hazard, do not place objects filled with liquids, such as vases, on the apparatus.

Don't throw away the battery with general house waste, dispose of it correctly as chemical waste.



This appliance is classified as a CLASS 1 LASER product. This marking is located on the rear of the unit.

Disposal of the system



Disposal of Old Electrical & Electronic Equipment (Applicable in the European Union and other European countries with separate collection systems)

This symbol on the product or on its packaging indicates that this product shall not be treated as household waste. Instead it shall be handed over to the applicable collection point for the recycling of electrical and electronic equipment. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. The recycling of materials will help to conserve natural resources. For more detailed information about recycling of this product, please contact your local Civic Office, your household waste disposal service or the shop where you purchased the product.

Introduction

Thank you for choosing this Sony product.
Before operating the system, please read this manual thoroughly and retain it for future reference.

Trademark information

- DVB is a registered trademark of the DVB project.
- "PlayStation" is a trademark of Sony Computer Entertainment, Inc.
- Manufactured under license from Dolby Laboratories. "Dolby," "Pro Logic," and the double-D symbol are trademarks of Dolby Laboratories.
- Manufactured under license from Digital Theater Systems, Inc.
  "DTS" and "DTS Digital Surround" are registered trademarks of Digital Theater Systems, Inc.
- HDMI This system incorporates High-Definition Multimedia Interface (HDMI™) technology. HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC.

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About this manual

- The instructions in this manual describe the controls on the remote. You can also use the controls on the system if they have the same or similar names as those on the remote.
- The Control Menu items may be different depending on the area.
- "DVD" may be used as a general term for DVD VIDEOs, DVD+RWs/DVD+Rs, and DVD-RWs/DVD-Rs.
- The following symbols are used in this manual.

Symbol	Functions available for
DVD-V	DVD VIDEOs, DVD-Rs/DVD-RWs in video mode, and DVD+Rs/DVD+RWs
DVD-VR	DVD-Rs/DVD-RWs in VR (Video Recording) mode
VIDEO CD	VIDEO CDs (including Super VCDs or CD-Rs/CD-RWs in video CD format or Super VCD format)
Super Audio CD	Super Audio CDs
CD	Music CDs or CD-Rs/CD-RWs in music CD format
DATA CD	DATA CDs (CD-ROMs/CD-Rs/CD-RWs containing MP3*1 audio tracks, JPEG image files, and DivX*2*3 video files)
DATA DVD	DATA DVDs (DVD-ROMs/DVD-Rs/DVD-RWs/DVD+Rs/DVD+RWs containing MP3*1 audio tracks, JPEG image files, and DivX*2*3 video files)

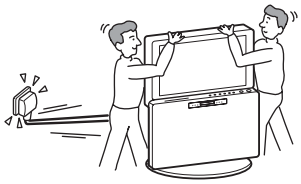
*1 MP3 (MPEG1 Audio Layer 3) is a standard format defined by ISO/MPEG which compresses audio data.

*2 DivX® is a video file compression technology, developed by DivX, Inc.

*3 DivX, DivX Certified, and associated logos are trademarks of DivX, Inc. and are used under license.

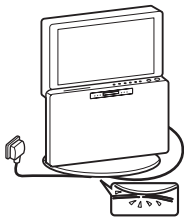
Safety information

AC power cord (mains lead)



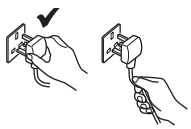
- Unplug the AC power cord (mains lead) when moving the system. Do not move the system with the AC power cord (mains lead) plugged in. It may damage the AC power cord (mains lead) and result in fire or electric shock.
- If you damage the AC power cord (mains lead), it may result in fire or electric shock.

  – Do not pinch, bend, or twist the AC power cord (mains lead) excessively. The core conductors may be exposed or broken, causing a short-circuit, which may cause fire or electric shock.
  – Do not modify or damage the AC power cord (mains lead).
  – Do not put anything heavy on the AC power cord (mains lead). Do not pull the AC power cord (mains lead).



  – Keep the AC power cord (mains lead) away from heat sources.
  – Be sure to grasp the plug when disconnecting the AC power cord (mains lead).
- If the AC power cord (mains lead) is damaged, stop using it and ask your dealer or Sony service centre to exchange it.
- Do not use the supplied AC power cord (mains lead) on any other equipment.
- Use only an original Sony AC power cord (mains lead), not other brands.

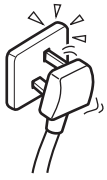
AC power cord (mains lead)/ cable protection



Pull out the AC power cord (mains lead)/cable by the plug. Do not pull on the AC power cord (mains lead)/cable itself.

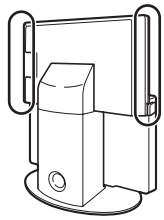
AC power source (mains)

Do not use a poor fitting mains socket. Insert the plug fully into the mains socket. A poor fit may cause arcing and result in fire. Contact your electrician to have the mains socket changed.



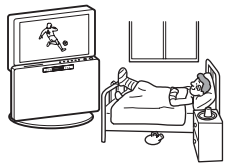
Continued

Notes about moving the lift unit up/down



- The lift unit moves up and down automatically when the system is turned on/off, and when the input is switched with “AUTO” selected in “Lift Mode” (page 72). You can also make the lift unit move up/down by pressing ↕■.
- To prevent operational mistakes, this system features a “LOCK” function (page 72).
- When connecting other components to the side of the system (e.g., AV 4 connections), make sure not to place any cords under the lift unit to avoid trapping them as the lift unit moves.
- Do not touch the lift unit (especially the circled areas in the right illustration) while it is moving. Especially, watch out for small children.
- Do not operate this system while the lift unit is moving.

Medical institutions



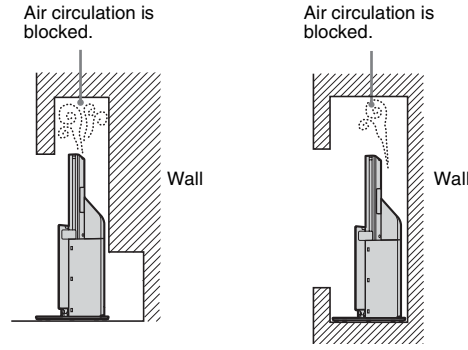
Do not place this system in a place where medical equipment is in use. It may cause malfunction of medical instruments.

Carrying

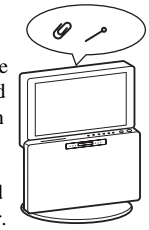
- Before relocating the system, perform the procedure in “On moving the system” (page 9), then disconnect all the cables from the system.
- When you carry the system by hand, hold the system as illustrated on the right. If you do not do so, the system may fall and be damaged or cause serious injury. If the system has been dropped or damaged, have it checked immediately by qualified service personnel.
- When transporting it, do not subject the system to jolts or excessive vibration. The system may fall and be damaged or cause serious injury.
- When you carry the system in for repair or when you move it, pack it using the original carton and packing material.
- Carrying the system requires two or more people.

Ventilation

- Never cover the ventilation holes in the cabinet. It may cause overheating and result in fire.
- Unless proper ventilation is provided, the system may gather dust and get dirty. For proper ventilation, observe the following:
  - Do not install the system turned backwards or sideways.
  - Do not install the system turned over or upside down.
  - Do not install the system on a shelf or in a closet.
  - Do not place the system on a rug or bed.
  - Do not cover the system with cloth, such as curtains, or items such as newspapers, etc.
- Never install the system as follows:



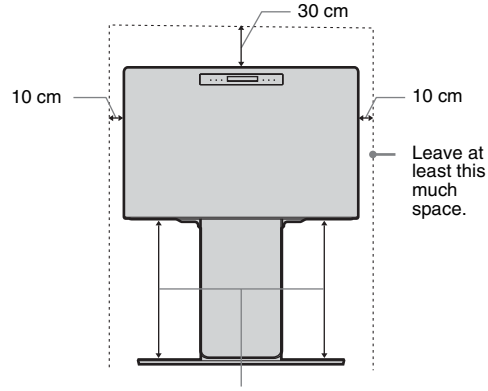
Ventilation holes



- Do not insert anything in the ventilation holes, gaps between the TV screen and the lift unit or the disc slot. If metal or liquid is inserted in these holes, it may result in fire or electric shock.
- If anything falls into the cabinet, unplug the unit and have it checked by qualified personnel before operating it any further.
- Do not block the ventilation slots by putting anything on the system. The system is equipped with a high power amplifier. If the ventilation slots are blocked, the unit can overheat and malfunction.

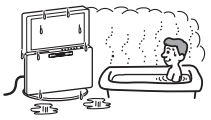
Placement

- Do not obstruct the area where the lift unit moves up and down. It may cause a malfunction. Leave some space around the system. Otherwise, air-circulation may be inadequate and cause overheating, which may cause fire or damage to the system or the lift unit.



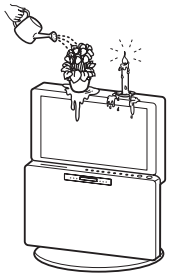
- Never place the system in hot, humid or excessively dusty places.
- Do not install the system where insects may enter.
- Place the system on a stable, level surface. Otherwise, the system may fall and cause injury.
- Do not install the system in a location where it may protrude, such as on or behind a pillar, or where you might bump your head on it. Otherwise, it may result in injury.

Water and moisture



- Do not use this system near water – for example, near a bathtub or shower room. Also do not expose to rain, moisture or smoke. This may result in fire or electric shock.
- Do not touch the AC power cord (mains lead) and the system with wet hands. Doing so may cause electric shock or damage to the system.

Moisture and flammable objects



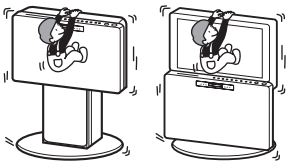
- Do not let this system get wet. Never spill liquid of any kind on the system. If any liquid or solid object does fall through openings in the cabinet, do not operate the system. It may result in electric shock or damage to the system.
  Have it checked immediately by qualified service personnel.
- To prevent fire, keep flammable objects (candles, etc.) and electric bulbs away from the system.

Oils

Do not install this system in restaurants that use oil. Dust absorbing oil may enter and damage the system.

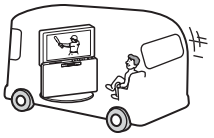
Fall

Do not allow children to climb up on or hang from the system.



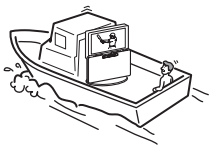
Vehicle or ceiling

Do not install this system in a vehicle. The motion of the vehicle may cause the system to fall down and cause injury. Do not hang this system from the ceiling.



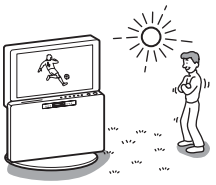
Ships and other vessels

Do not install this system on a ship or other vessel. If the system is exposed to seawater, it may cause fire or damage the system.



Outdoor use

- Do not expose the system to direct sunlight. The system may heat up and this may result in damage to the system.
- Do not install this system outdoors.



Wiring

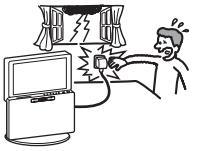
- Unplug the AC power cord (mains lead) when wiring cables. When hooking up, be sure to unplug the AC power cord (mains lead) for your safety.
- Take care not to catch your feet on the cables. It may damage the system.

Cleaning

- Unplug the AC power cord (mains lead) when cleaning the plug and this system. If you do not, it may result in electric shock.
- Clean the mains plug regularly. If the plug is covered with dust and it picks up moisture, its insulation may deteriorate and result in fire.

Lightning storms

For your own safety, do not touch any part of the system, AC power cord (mains lead), or aerial lead during lightning storms.



Damage requiring service

If the surface of the system cracks, do not touch it until you have unplugged the AC power cord (mains lead). Otherwise electric shock may result.

Servicing

Do not open the cabinet.
Entrust the system to qualified service personnel only.

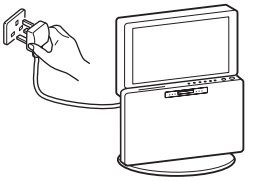
Small accessories removal and fittable

Keep accessories out of children's reach. If they are swallowed, choking or suffocation may occur. Call a doctor immediately.

Broken glass

Do not throw anything at the system. The screen glass may explode by the impact and cause serious injury.

When not in use



For environmental and safety reasons, it is recommended that the system is not left in standby when unused. Disconnect from the AC power source (mains). However, some systems may have features which need the system to be left in standby to work correctly. The instructions in this manual will inform you if this applies.

Viewing the TV screen

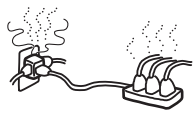
- To view the TV screen comfortably, the recommended viewing position is from four to seven times the screen's vertical length away from the system.
- View the TV screen in moderate light, as viewing the TV screen in poor light strains your eyes. Watching the screen continuously for long periods of time can also strain your eyes.

Continued

Volume adjustment

- Adjust the volume so as not to trouble your neighbours. Sound carries very easily at night time. Therefore, closing the windows or using headphones is suggested.
- When using headphones, adjust the volume so as to avoid excessive levels, as hearing damage may result.
- Do not turn up the volume while listening to a section with very low level inputs or no audio signals. If you do, the speakers may be damaged when a peak level section is suddenly played.

Overloading



This system is designed to operate on a 220–240 V AC supply only. Take care not to connect too many appliances to the same mains socket as this could result in fire or electric shock.

Heat

Do not touch the surface of the system. It remains hot, even after the system has been turned off for some time.

Corrosion

If you use this system near the seashore, salt may corrode metal parts of the system and cause internal damage or fire. It may also shorten the life of the system. Steps should be taken to reduce the humidity and moderate the temperature of the area where the system is located.

Precautions

Safety

- The unit is not disconnected from the AC power source (mains) as long as it is connected to the wall outlet (mains), even if the unit itself has been turned off. To disconnect the system completely, pull the plug from the AC power source (mains).
- Unplug the unit from the wall outlet (mains) if you do not intend to use it for an extended period of time.

LCD Screen

- Although the LCD screen is made with high-precision technology and 99.99% or more of the pixels are effective, black dots may appear or bright points of light (red, blue, or green) may appear constantly on the LCD screen. This is a structural property of the LCD panel and is not a malfunction.
- Do not expose the LCD screen surface to the sun. Doing so may damage the screen surface.
- Do not push or scratch the front filter, or place objects on top of this system. The image may be uneven or the LCD panel may be damaged.
- If this system is used in a cold place, a smear may occur in the picture or the picture may become dark.
  This does not indicate a failure. These phenomena disappear as the temperature rises.
- Ghosting may occur when still pictures are displayed continuously. It may disappear after a few moments.
- The screen and cabinet get warm when this system is in use. This is not a malfunction.
- The LCD contains a small amount of liquid crystal and mercury. The fluorescent tube used in this system also contains mercury. Follow your local ordinances and regulations for disposal.

Fluorescent lamp

This system uses a special fluorescent lamp as its light source. If the screen image becomes dark, flickers, or does not appear, the fluorescent lamp has worn out and should be replaced. For replacement, consult qualified service personnel.

Installing the system

- Do not install the system in places subject to extreme temperature, for example in direct sunlight, or near a radiator, or heating vent or excessive dust, mechanical vibration, or shock. If the system is exposed to extreme temperature, the system may overheat and cause deformation of the casing or cause the system to malfunction.
- To obtain a clear picture, do not expose the screen to direct illumination or direct sunlight. If possible, use spot lighting directed down from the ceiling.

- Do not install optional components too close to the system. Keep optional components at least 30 cm away from the system. If a VCR is installed in front of the system or beside the system, the picture may become distorted.
- Picture distortion and/or noisy sound may occur if the system is positioned in close proximity to any equipment emitting electromagnetic radiation.
- Allow adequate air circulation to prevent internal heat buildup.
- Do not place the unit on surfaces (rugs, blankets, etc.) or near materials (curtains, draperies) that may block the ventilation slots.
- Do not install the unit in an inclined position. It is designed to be operated in a horizontal position only.
- Keep the unit and discs away from equipment with strong magnets, such as microwave ovens, or large loudspeakers.
- If the unit is brought directly from a cold to a warm location, moisture may condense inside this system and cause damage to the lenses. When you first install the unit, or when you move it from a cold to a warm location, wait for about 30 minutes before operating the unit.

Handling and cleaning the screen surface/cabinet of the system

The screen surface is finished with a special coating to prevent strong light reflections.
To avoid material degradation or screen coating degradation, observe the following precautions.

- Do not push on the screen, scratch it with a hard object, or throw anything at it. The screen may be damaged.
- Do not touch the display panel after operating the system continuously for a long period as the display panel becomes hot.
- We recommend that the screen surface be touched as little as possible.
- To remove dust from the screen surface/cabinet, wipe gently with a soft cloth. If dust is persistent, wipe with a soft cloth slightly moistened with a diluted mild detergent solution. You can wash and repeatedly use the soft cloth.
- Never use any type of abrasive pad, alkaline/acid cleaner, scouring powder, or volatile solvent, such as alcohol, benzene, thinner or insecticide. Using such materials or maintaining prolonged contact with rubber or vinyl materials may result in damage to the screen surface and cabinet material.
  If you have any questions or problems concerning your system, please consult your nearest Sony dealer.
- The ventilation holes can accumulate dust over time. To ensure proper ventilation, we recommend removing the dust periodically (once a month) using a vacuum cleaner.

On placement

At high volume, over long periods of time, the cabinet becomes hot to the touch. This is not a malfunction. However, touching the cabinet should be avoided.

On cleaning discs, disc/lens cleaner

Do not use a commercially available cleaning disc or disc/lens cleaner (wet or spray type). These may cause apparatus to malfunction.

On moving the system

When you carry the system, use the following procedure to protect the inner mechanism.

1 Press ⏎ (input select) repeatedly to select “DVD.”
2 Make sure that the disc is removed from the system.
3 Press ■ (stop) and ⏻ on the system simultaneously. “MECHA LOCK” appears in the front panel display. The lift unit is now set in the shipping position (down).
4 Remove the AC power cord (mains lead) from the wall outlet (mains).

Notes about the discs

On handling discs

- To keep the disc clean, handle the disc by its edge. Do not touch the surface.
- Do not stick paper or tape on the disc.

- Do not expose the disc to direct sunlight or heat sources such as hot air ducts, or leave it in a car parked in direct sunlight as the temperature may rise considerably inside the car.
- After playing, store the disc in its case.

On cleaning

- Before playing, clean the disc with a cleaning cloth. Wipe the disc from the centre out.

- Do not use solvents such as benzine, thinner, commercially available cleaners, or anti-static spray intended for vinyl LPs.

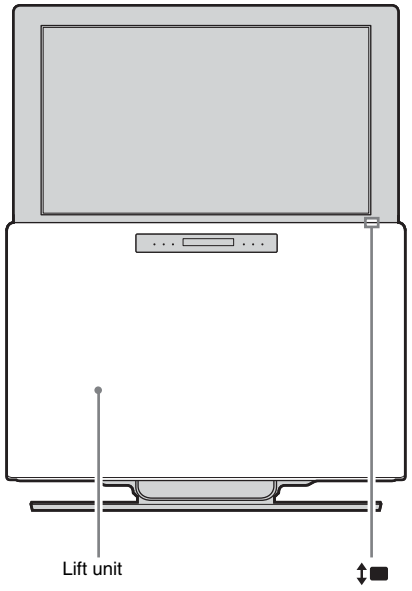
This system can only play back a standard circular disc. Using neither standard nor circular discs (e.g., card, heart, or star shape) may cause a malfunction.

Do not use a disc that has a commercially available accessory attached, such as a label or ring.

Guide to basic operations of this system

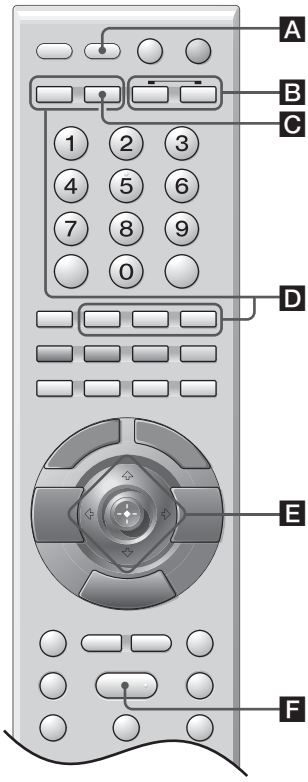
This system is a TV with DVD player. The lift unit of this system has built-in 2.1 channel speakers. You can enjoy high quality and exciting sound from TV, DVD, FM and other connected components.

About the lift unit



When you select “AUTO” in “Lift Mode” (page 72), the lift unit moves up/down according to the selected input. For example, when you watch TV or DVD, or turn the system on, the lift unit moves down. Conversely, listening to FM radio or turning the system off moves the lift unit up. You can also operate the lift unit manually by pressing ↕■.

Using the remote



■ Direct input select buttons D

- TV: Switches the TV input select to either A-TV or D-TV (whichever was selected last).
- DIGITAL: Switches the input select to digital broadcast (D-TV).
- ANALOG: Switches the input select to analogue broadcast (A-TV).
- DVD: Switches the input select to DVD.
- FM: Switches the input select to FM.

■ Input select button A

Switches the input select. Each time you press the button, the input select changes as below.

TV (A-TV or D-TV) → AV1 → AV2 → DVD → AV4 → PC → HDMI → TV (A-TV or D-TV) →.....

Note

After pressing TV C, if you press the input select button A, the input does not switch to AV1, but goes back to the previous status before pressing TV C.

■ Auto input select button F

While the input is except DVD, if you press ⏏ on the system or ▷, the input will be changed to DVD automatically.

Using the menu

This system has various types of menus:

- TV: TV MENU
- DVD: DVD MENU
  DVD TOP MENU
  DVD DISPLAY
- FM: FM MENU

These menus are available when either input is selected.

- TV/DVD/FM: AMP MENU

■ CURSOR MODE buttons B

When one of these buttons lights up, you can operate its menu (←/↑/↓/→/⊕).
TV: Lights up when TV input is selected by TV (direct input select button D), or by pressing TV MENU.
DVD/FM: Lights up when DVD or FM is selected by DVD, FM (direct input select button D), or by pressing DVD MENU.
If the ←/↑/↓/→/⊕ buttons E cannot be used, press the CURSOR MODE button B (if not lit), then use ←/↑/↓/→/⊕ buttons E.

Notes

- The status shown by the CURSOR MODE buttons will change to TV when you press these buttons below: (Circled numbers refer to the remote illustration on page 11).

  ❹ ⟳ – Previous channel

  ❺ DIGITAL/ANALOG (direct input select)

  ❻ Coloured buttons
  – Digital text off
  – EPG (Digital Electronic Programme Guide)
  ♡ – Favourite
  – Text

  ⓱ – Picture Freeze

  ㉑ /? – Info/Text reveal

- The status shown by the CURSOR MODE buttons will change to DVD/FM when you press these buttons below: (Circled numbers refer to the remote illustration on page 11).

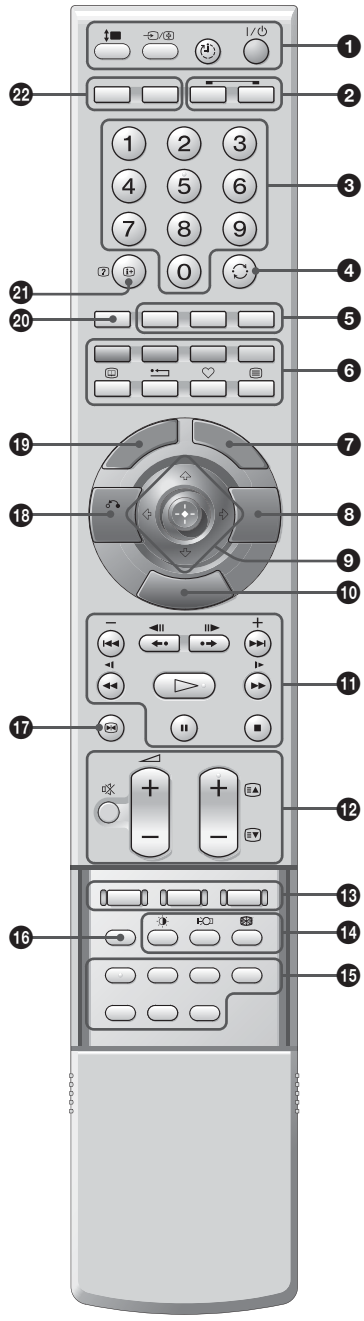
  ❽ DVD DISPLAY

  ⓭ AMP MENU
  FM MENU

  ⓯ PICTURE NAVI

  ⓳ DVD TOP MENU

Overview of the remote



With cover opened.

Continued

Common operations

❶ **– Input select/Text hold**
- In TV mode (page 25): Selects the input source from equipment connected to the system.
- In Text mode (page 21): Holds the current page.
- In TV/DVD/FM mode (page 10): Switches the input source.

– Lift up/down (page 71)
/ – On/standby (page 20)
Switches off the system temporarily. The (standby) indicator on the system (front of the lift unit) lights up. Press again to switch on the system from the standby mode.
– Sleep timer (page 42)

❸ **Number buttons**
- In TV mode: Selects channels. For channel numbers 10 and above, enter the second digit within two seconds.
- In Text mode: Enters the three digit page number to select the page.
- In DVD mode: Selects the item, title, chapter, etc. Enters the password and area code.
- In FM mode: Selects the preset number. The number 5 button has a tactile dot.*

❾ **– Cursor, OK, ENTER (page 18)**

⓬ **– Muting (page 20)**
+/– – Volume +/–

⓭ **DIMMER (page 69)**

⓰ **SOUND FIELD (page 28)**

To control the TV

❷ **TV (CURSOR MODE) (page 11)**

❹ **– Previous channel**
Returns to the previous channel watched (for more than five seconds).

❺ **DIGITAL/ANALOG (direct input select) (page 20)**

❻ **Coloured buttons (page 22)**
– Digital text off (page 21)
– EPG (Digital Electronic Programme Guide) (page 22)
– Favourite (page 24)
– Text (page 21)

❿ **TV MENU (page 18)**

⓬ **PROG +/– (page 20)**
The PROG + button has a tactile dot.*

⓮ **– Picture Mode (page 38)**
– Power Saving (page 41)
Reduces the power consumption of the system.
– Screen mode (page 21)

⓱ **– Picture Freeze (page 21)**
Freezes the TV picture.

㉑ **/ – Info/Text reveal**
- In digital mode: Displays brief details of the programme currently being watched.
- In analogue mode: Displays information such as current channel number and screen mode.
- In Text mode (page 21): Reveals hidden information (e.g., answers to a quiz).

㉒ **TV (direct input select) (page 10)**

To control the DVD

❷ **DVD (CURSOR MODE) (page 11)**

❼ **DVD MENU (page 49)**

❽ **DVD DISPLAY (page 51)**

❶❶ **/ – Next/Previous +/– (page 30)**
– Pause (page 30)
– Play (page 30)
The button has a tactile dot.*
/ , / – Replay, Advance, Step (page 30)
/ , / – Scan, Slow +/– (page 33)
– Stop (page 30)

❸ **AMP MENU (page 70)**

❺ **ANGLE (page 34)**
AUDIO (page 31)
The AUDIO button has a tactile dot.*
PICTURE NAVI (page 33)
REPEAT (page 58)
SA-CD/CD (page 32)
SUBTITLE (page 34)
TIME/TEXT (page 54)

❽ **RETURN (page 32)**

❾ **DVD TOP MENU (page 49)**

❿ **CLEAR (page 53)**

㉒ **DVD (direct input select) (page 10)**

To control the FM tuner

❷ **FM (CURSOR MODE) (page 11)**

❺ **FM (direct input select) (page 10)**

❶❶ **/ , / – Tuning (page 36)**

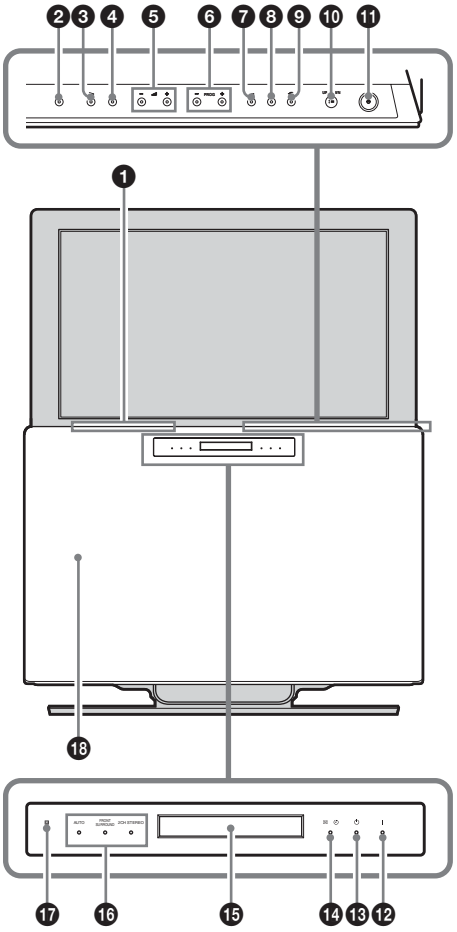
⓬ **PROG +/– (page 35)**
The PROG + button has a tactile dot.*

⓭ **FM MENU (page 36)**

* Use the tactile dot as a reference when operating the system.

Overview of the system/ lift unit buttons and indicators

Touch panel buttons (❷ – ❾): Touch any of these buttons once, to activate the panel (buttons light up), then touch the desired button.



❶ **Disc slot**

❷ **⏏ – Eject**
Eject a disc.

❸ **▷ – Play**
Play a disc.

❹ **■ – Stop**
Stop a disc.

❺ **+/– – Volume**
Increases (+)/decreases (–) volume.

❻ **PROG +/–**
- In TV mode: Select next (+)/previous (–) channel.
- In FM mode: Select next (+)/previous (–) preset station.

❼ **FM**
Change input select to FM directly.

❽ **TV**
Change input select to TV directly.

❾ **– Input select**
Select the input select of connected equipment. Each time you press the button, the input select changes as below.

A-TV → D-TV → AV1 → AV2 → DVD → AV4 → PC → HDMI → A-TV → D-TV →.....

❿ **↕■ UP/DOWN – Lift unit up/down**
Move the lift unit up/down.

⓫ **⏻ – Standby**
Switch system on/off. While the system is on, if you press I/⏻ on the remote, the system enters standby mode.

⓬ **I – Power indicator**
Lights green when system is on.

⓭ **⏻ – Standby indicator**
Lights red when system is in standby mode.

⓮ **– Picture Off (page 41)/Timer indicator (page 42)**
- Lights up in amber when the "Sleep Timer" is set or when a digital event is programmed.
- Lights up in green when "Picture Off" is set.
- Lights up in red when digital REC starts.

⓯ **Front panel display (page 69)**

⓰ **Sound Field indicator**

⓱ **– Remote control sensor**

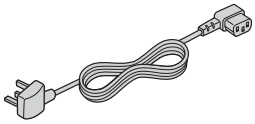
⓲ **Lift unit**

1: Checking the accessories

Remote RM-ANU005 (1)

Size AA batteries (R6 type) (2)

AC power cord (mains lead) (1)



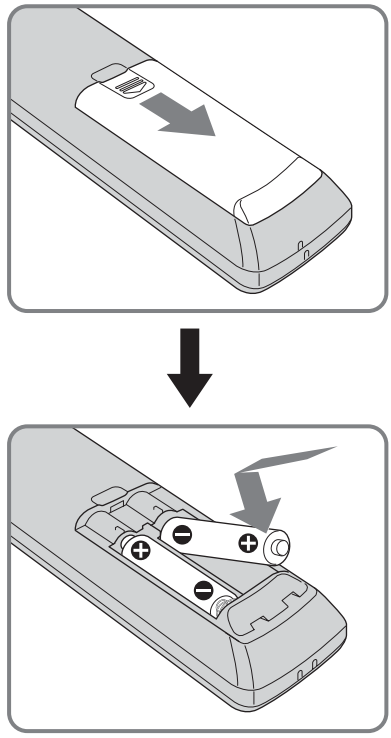
Screws (2)

FM wire antenna (aerial) (1)

Frame grille (1)

Quick Start Guide (1)

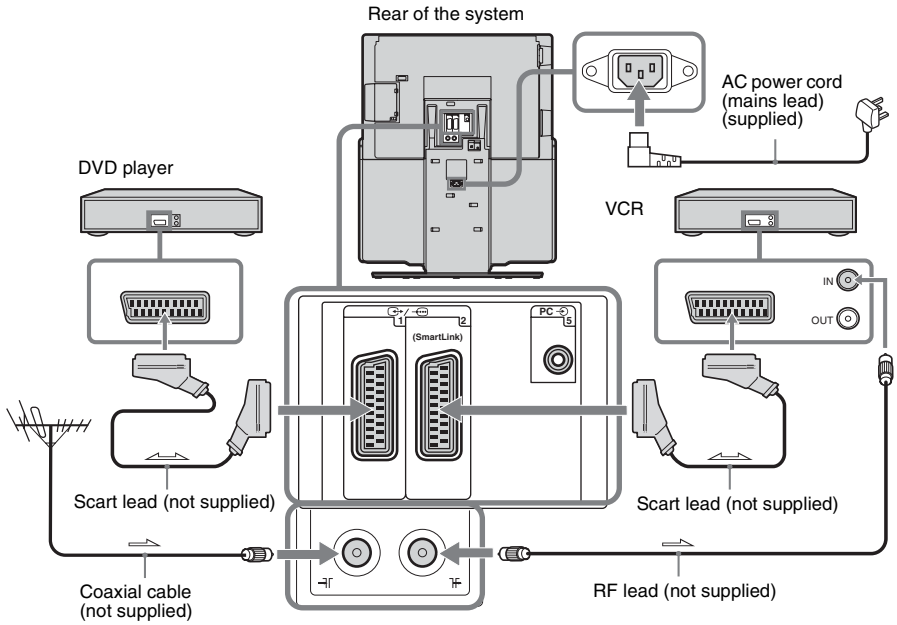
2: Inserting batteries into the remote



Notes

- Observe the correct polarity when inserting batteries.
- Dispose of batteries in an environmentally friendly way. Certain regions may regulate disposal of the battery. Please consult your local authority.
- Do not use different types of batteries together or mix old and new batteries.
- Handle the remote with care. Do not drop or step on it, or spill liquid of any kind onto it.
- Do not place the remote in a location near a heat source, or in a place subject to direct sunlight, or in a damp room.

3: Connecting a TV aerial/VCR/DVD player



1 Remove the covers.

When all connections have been made, replace the covers.

2 Connect your aerial to the ⇉ socket on the rear of the system.

If connecting to an aerial only

Go to step 4.

3 Connect your VCR/DVD player.

① Connect the ⇇ socket on the rear of the system to the input socket on your VCR with the RF lead.

② Connect the scart socket on your VCR/DVD player to the ⇆/⇆ 1 or 2 scart socket on the rear of the system with a scart lead.

4 Connect the supplied AC power cord (mains lead) to the AC IN socket on the rear of the system.

Note

Do not connect the AC power cord (mains lead) to your mains socket until all connections are complete.

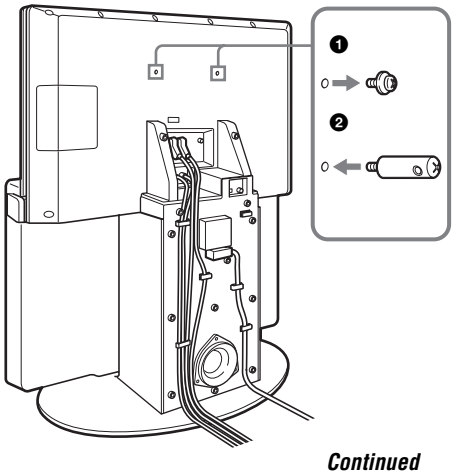
To prevent the system from toppling over

Notes

- Be sure to take measures to prevent the system from toppling over. If you fail to do so, the system may topple over and cause injury. Anchor the system to a wall, pillar, etc., to prevent it from toppling over.
- Any wall alternations (drilling, etc.) are your own responsibility.

Prepare a commercially available strong rope or chain and wall anchor bracket beforehand.

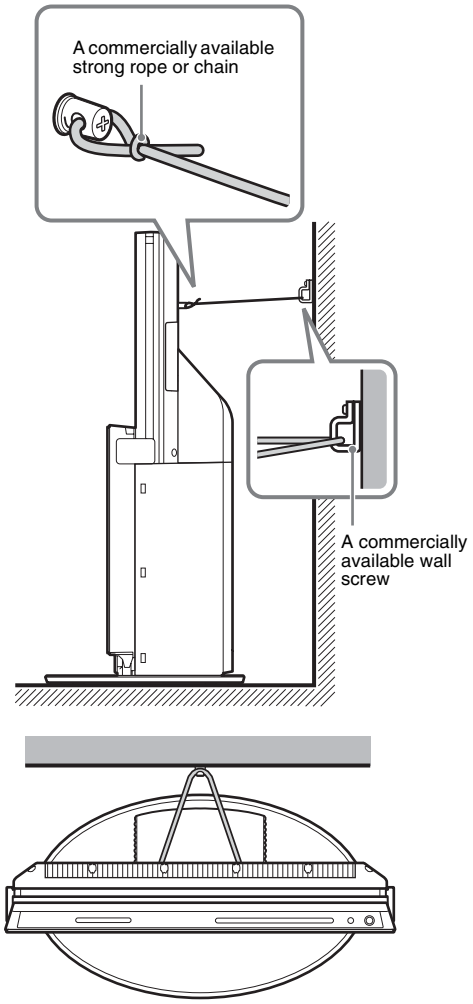
1 Remove the two small screws, and then attach the two large screws to the screw holes on the rear of the system.



Continued

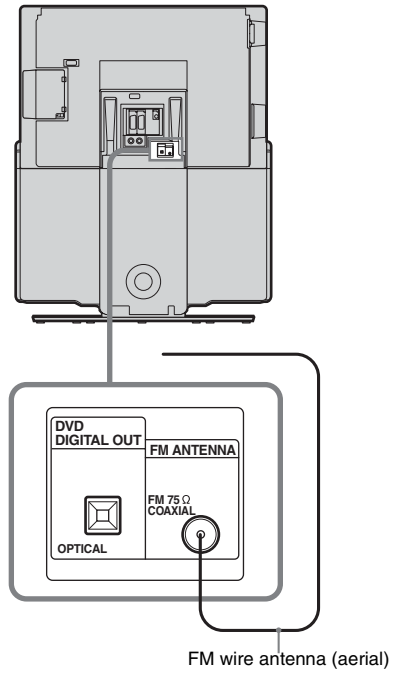
2 Secure the wall anchor bracket to a wall or pillar.

3 Thread the rope or chain through both holes of the screws, and then tighten the other end of the rope or chain to the wall anchor bracket.



4: Connecting the FM wire antenna (aerial)

Connect the supplied FM wire antenna (aerial) for listening to the FM radio. Thread the wire antenna (aerial) through the slit of the cover, and then replace the cover.

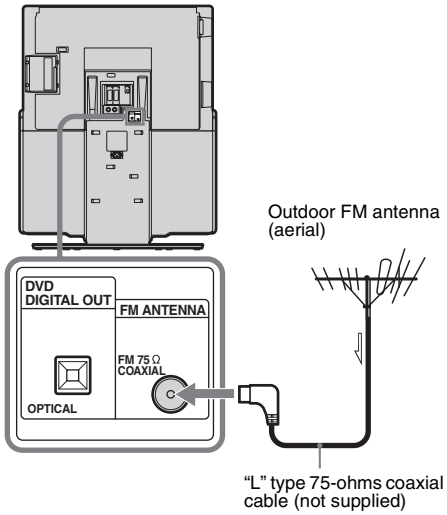


Notes

- Be sure to fully extend the FM wire antenna (aerial).
- After connecting the FM wire antenna (aerial), keep it as horizontal as possible.

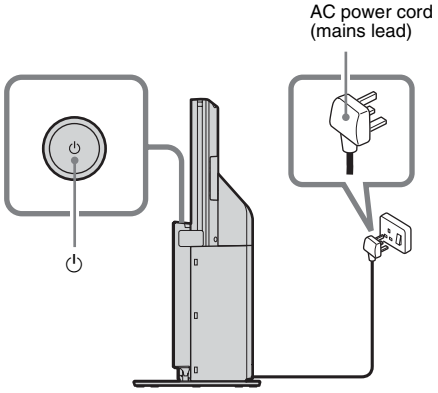
Tip

If you have poor FM reception, use an "L" type 75-ohms coaxial cable (not supplied) to connect the system to an outdoor FM antenna (aerial) as shown below. If you use a 75-ohms coaxial cable other than "L" type, you may not be able to replace the covers properly.



5: Switching on the system

Install this system so that the power cord can be unplugged from the wall socket immediately in the event of trouble.



1 Connect the system to your mains socket (220-240V AC, 50Hz).

2 Press ⏻ on the system (top of the lift unit).

When you switch on the system for the first time, a message confirming the system start auto-tuning appears on the screen, then go to "6: Auto-tuning the TV" (page 18).

When the system is in standby mode (the ⏻ (standby) indicator on the system is red), press I/⏻ on the remote to switch on the system.

Notes

- Depending on the Lift Mode setting or selected input, the lift unit will move down when turning on the system.
- To recall from standby mode by pressing ⏻ on the system, press ⏻ to turn off the system, and then press and hold ⏻ again until I (power indicator) lights up in green.

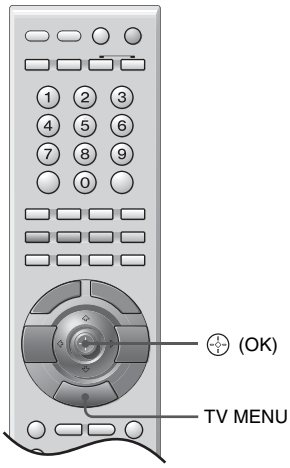
To save the power in standby mode

Press I/⏻ on the remote while the system turns on. To cancel standby mode, press I/⏻ once.

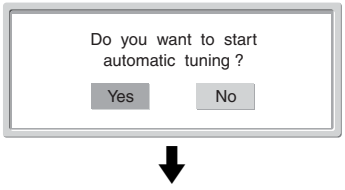
Continued

6: Auto-tuning the TV

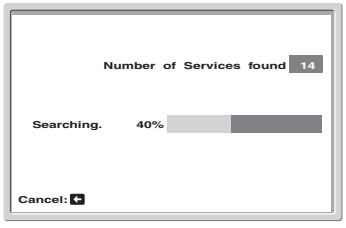
After switching on the system, a message confirming the system start auto-tuning appears on the screen. You must tune the system to receive channels (TV broadcasts). Do the following to search and store all available channels.



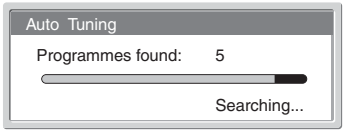
1 Press ⊕ (OK) to select [Yes].



Digital auto-tune display



Analogue auto-tune display



The system starts searching for all available digital channels, followed by all available analogue channels. This may take some time, please be patient and do not press any buttons on the system or remote.
Once all available digital and analogue channels have been stored, the system returns to normal operation, displaying the digital channel stored on channel number 1. If no digital channels are found, the analogue channel stored on channel number 1 is displayed.

When a message appears for you to confirm the aerial connections

No digital or analogue channels are found. Check all the aerial connections and press ⊕ (OK) to start auto-tuning again.

2 The Programme Sorting menu appears on the screen.

Note

If some digital channel is found, this step will not appear.

3 To change the order in which the channels are stored on the system. See page 44.

4 Press TV MENU to exit.

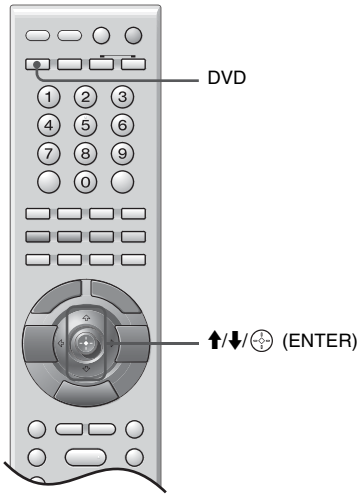
The system has now tuned in all the available channels.

Hint

To stop Digital Auto Tuning, select [Cancel]. Digital Auto Tuning is cancelled, and Analogue Auto Tuning starts.

7: Selecting the DVD language (Quick Setup)

You can set the display language.

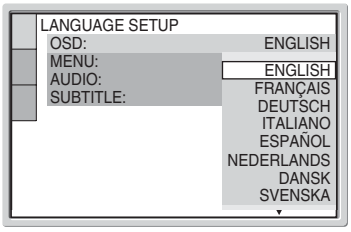


1 Press DVD (direct input select) to switch the input to DVD.

[Press [ENTER] to run QUICK SETUP.] appears at the bottom of the screen. This message does not appear if the disc is loaded or Quick Setup is already done.

2 Press ⊕ (ENTER) without inserting a disc.

The Setup Display for selecting the language used in the on-screen display appears.



3 Press ↑/↓ to select a language.

The system displays the on-screen display, the menu and subtitles in the selected language.

Note

The selectable language is different depending on the area.

4 Press ⊕ (ENTER).

Quick Setup is finished. All connections and setup operations are complete.

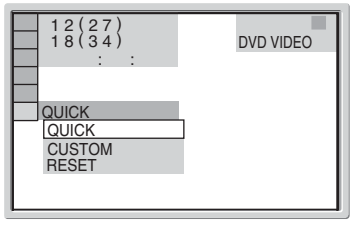
To quit the Quick Setup

Press DVD DISPLAY in any step.

To recall the Quick Setup display

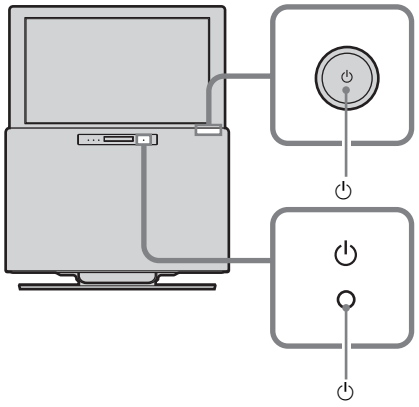
1 Press DVD DISPLAY. (If a disc is playing, press ■ to stop playback, then press DVD DISPLAY.)
The Control Menu appears.

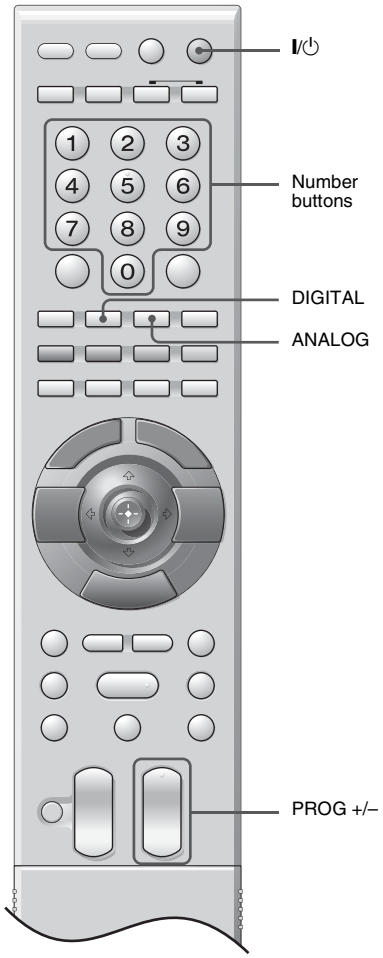
2 Press ↑/↓ to select [SETUP], then press ⊕ (ENTER).
The options for [SETUP] appear.



3 Press ↑/↓ to select [QUICK], then press ⊕ (ENTER).
The Quick Setup display appears.

Watching TV





1 Press ⏻ on the system to switch on the system.

When the system is in standby mode (the ⏻ (standby) indicator on the system is red), press I/⏻ on the remote to switch on the system.

2 Press DIGITAL to switch to digital mode or ANALOG to switch to analogue mode.

The channels available vary depending on the mode.

3 Press the number buttons or PROG +/– to select a TV channel.

To select channel numbers 10 and above using the number buttons, enter the second and third digits within two seconds.

To select a digital channel using the Digital Electronic Programme Guide (EPG), see page 22.

In digital mode

An information banner appears briefly. The following icons may be indicated on the banner.

- : Interactive service is available (MHEG Digital Text)
- : Interactive service (MHEG Digital Text) is currently disabled
- : Radio service
- : Scrambled/Subscription service
- : Multiple audio languages available
- : Subtitles available
- : Subtitles available for the hearing impaired
- ⑱: Recommended minimum age for current programme (from 4 to 18 years)
- : Parental Lock
- : Current programme is being recorded

Additional operations

To	Do this
Turn off the system temporarily (Standby mode)	Press I/⏻ on the remote.
Turn off the system completely	Press ⏻ on the system.
Adjust the volume	Press + (increase) /– (decrease).

To	Do this
Mute the sound	Press 🔇. Press again to restore.
Switch to digital mode	Press DIGITAL.
Hide interactive prompts from the screen (in digital mode only)	
Switch to analogue mode	Press ANALOG.
Return to the previous channel watched (for more than five seconds)	Press ↺.
Access the Programme index table (in analogue mode only)	Press ⊕ (OK). To select a channel, press ↑/↓, then press ⊕ (OK).
To access the Input signal index table	Press ⊕ (OK). Press → to select the desired input signal, press ↓/↑, then press ⊕ (OK).

To access Digital Text

Many broadcasters provide a Digital Text service. Digital Text offers graphically rich contents, compared to Analogue Text.
Select a digital channel which provides Digital Text, then press ☰.
When a broadcaster provides a dedicated Digital Text channel, select this channel to access Digital Text.
To navigate through Digital Text, follow the instructions on the screen.
To exit Digital Text, press ⮌.
To move around, press ↑/↓/←/→.
To select items, press ⊕ (OK) and the number buttons.
To access shortcuts, press the coloured buttons.

To access Analogue Text

In analogue mode, press ☰. Each time you press ☰, the display changes cyclically as follows:
Text → Text over the TV picture (mix mode) → No Text (exit the Text service)
To select a page, press the number buttons or PROG +/–.
To hold a page, press –/.
To reveal hidden information, press /?.

Tips

- Ensure that the system is receiving a good signal, or some text errors may occur.
- Most TV channels broadcast a Text service. For information on the use of the service, select the index page.
- While you are viewing Teletext, press ◑ repeatedly to choose between four different options of brightness.
- When four coloured items appear at the bottom of the Text page, Fastext is available. Fastext allows you to access pages quickly and easily. Press the corresponding coloured button to access the page.

Picture Freeze

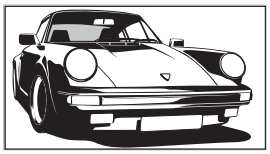
Freezes the TV picture (e.g. to make a note of a telephone number or recipe).

1. Press ⧓.
2. Press ←/↑/↓/→ to adjust the position of the window.
3. Press ⧓ to remove the window.
4. Press ⧓ again to return to normal TV mode.

To change the screen mode manually to suit the broadcast

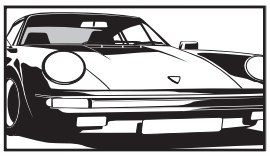
Press ▭ repeatedly to select Wide, Smart, 4:3, 14:9, or Zoom.

Wide



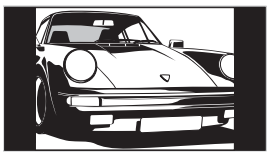
Displays wide screen (16:9) broadcasts in the correct proportions.

Smart*



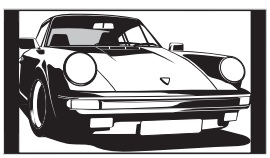
Displays conventional 4:3 broadcasts with an imitation wide screen effect. The 4:3 picture is stretched to fill the screen.

4:3



Displays conventional 4:3 broadcasts (e.g., non-wide screen TV) in the correct proportions.

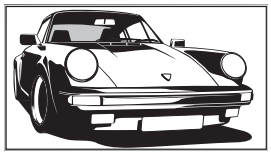
14:9*



Continued

Displays 14:9 broadcasts in the correct proportions. As a result, black border areas are visible on the screen.

Zoom*



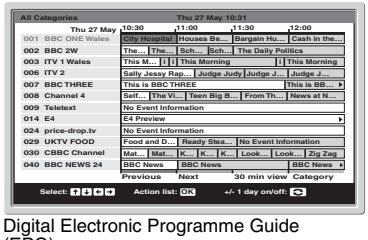
Displays cinemascopic (letter box format) broadcasts in the correct proportions.

* Parts of the top and bottom of the picture may be cut off.

Tips

- Alternatively, you can set [Auto Format] to [On]. If the broadcaster sends format information, the system will automatically select the best mode to suit the broadcast (page 40).
- You can adjust the portion of the picture when selecting Smart, 14:9, or Zoom. Set the CURSOR MODE button to TV, and then press ↑/↓ to move up or down (e.g., to read subtitles).

Checking the Digital Electronic Programme Guide (EPG) DVB



Digital Electronic Programme Guide (EPG)

1 In digital mode, press 📖 to display the Digital Electronic Programme Guide (EPG).

2 Perform the desired operation, as shown in the following table.

Note

Programme information will only be displayed if the TV station is transmitting it.

To	Do this
Turn off the EPG	Press 📖.
Move through the EPG	Press ←/↑/↓/→.
Display the previous or next six channels	Press the red (previous) or green (next) button.
Watch a current programme	Press ⊕ (OK) while the current programme is selected.

To	Do this
Sort the programme information by category – Category list	**1** Press the blue button. **2** Press ←/↑/↓/→ to select a category. The category name is displayed on the side. The categories available include: **Favourite** Contains all the channels that have been stored in the Favourite list (page 24). **All Categories** Contains all available channels. **News** Contains all news channels. **3** Press ⊕ (OK). The Digital Electronic Programme Guide (EPG) now only displays the current programmes from the category selected.
Set a programme to be recorded – Timer REC	**1** Press ←/↑/↓/→ to select the future programme you want to record. **2** Press ⊕ (OK). **3** Press ↑/↓ to select [Timer REC]. **4** Press ⊕ (OK) to set the system and your VCR timers. A ⏺ symbol appears by that programme's information. The ⏲ indicator on the lift unit lights up in standby mode. **Notes** • You can set VCR timer recording on the system only for Smartlink compatible VCRs. If your VCR is not Smartlink compatible, a message will be displayed to remind you to set your VCR timer. • Once a recording has begun, you can switch the system to standby mode, but do not switch off the system completely or the recording may be cancelled. • If an age restriction for programmes has been selected, a message asking for PIN Code will appear on the screen. For more details refer to Parental Lock (page 48).
Set a programme to be displayed automatically on the screen when it starts – Reminder	**1** Press ←/↑/↓/→ to select the future programme you want to display. **2** Press ⊕ (OK). **3** Press ↑/↓ to select [Reminder]. **4** Press ⊕ (OK) to automatically display the selected programme when the programme starts. A ⏲ symbol appears by that programme's information. The ⏲ indicator on the lift unit lights up in standby mode. **Note** If you switch the system to standby mode, it will automatically turn itself on when the programme is about to start.

Continued

To	Do this
Set the time and date of a programme you want to record – Manual timer REC	**1** Press ⊕ (OK). **2** Press ↑/↓ to select [Manual timer REC]. **3** Press ↑/↓ to select the date, then press →. **4** Set the start and stop time in the same way as in step 3. **5** Press ↑/↓ to select the channel, then press ⊕ (OK) to set the system and your VCR timers. A symbol appears by that programme's information. The indicator on the lift unit lights up in standby mode. **Notes** • You can set VCR timer recording on the system only for Smartlink compatible VCRs. If your VCR is not Smartlink compatible, a message will be displayed to remind you to set your VCR timer. • Once a recording has begun, you can switch the system to standby mode, but do not switch off the system completely or the recording may be cancelled. • If an age restriction for programmes has been selected, a message asking for PIN Code will appear on the screen. For more details refer to Parental Lock (page 48).
Cancel a recording/ reminder – Timer list	**1** Press ⊕ (OK). **2** Press ↑/↓ to select [Timer list]. **3** Press ↑/↓ to select the programme you want to cancel, then press ⊕ (OK). A display appears to confirm that you want to cancel the programme. **4** Press → to select [Yes], then press ⊕ (OK) to confirm.

Using the Favourite list

DVB

1 In digital mode, press ♡ to display the Favourite list.

A message appears asking if you want to add channels to the Favourite list when the Favourite list is blank.

2 Perform the desired operation, as shown in the following table.

To	Do this
Create your Favourite list for the first time	A message appears asking if you want to add channels to the Favourite list when you press ♡ for the first time. **1** Press ⊕ (OK) to select [Yes]. **2** Press ↑/↓ to select the channel you want to add, then press ⊕ (OK). If there are more than five channels in the list, press the green button for the next five channels or press the red button for the previous five channels. If you know the channel number, you can use the number buttons to directly select a channel. **3** Press ⊕ (OK). Channels that are stored in the Favourite list are indicated by a ♥ symbol.
Turn off the Favourite list	Press ♡.
Move through in the Favourite list	Press ↑/↓.
Display the previous or next five channels	Press the red (previous) or green (next) button.
See brief details on current programmes	Press i+ while selecting a channel. Press again to cancel.
Watch a channel	Press ⊕ (OK) while selecting a channel.

To	Do this
Add or remove channels in the Favourite list	**1** Press the blue button. Channels that are stored in the Favourite list are indicated by a ♥ symbol. **2** Press ↑/↓ to select the channel you want to add or remove. If there are more than five channels in the list, press the green button for the next five channels or press the red button for the previous five channels. If you know the channel number, you can use the number buttons to directly select a channel. **3** Press ⊕ (OK). **4** Press the blue button to return to the Favourite list.
Remove all channels from the Favourite list	**1** Press the blue button. **2** Press the yellow button. A display appears to confirm that you want to delete all channels from the Favourite list. **3** Press ← to select [Yes], then press ⊕ (OK) to confirm.

Viewing pictures from connected equipment

Switch on the connected equipment, then perform one of the following operation.

For equipment connected to the scart sockets using a fully-wired 21-pin scart lead

Start playback on the connected equipment.
The picture from the connected equipment appears on the screen.

For an auto-tuned VCR (page 15)

Press PROG +/–, or the number buttons, to select the video channel. You can also press →/⊡ repeatedly until the correct input symbol (see below) appears on the screen.

For other connected equipment

Press →/⊡ repeatedly until the correct input symbol (see below) appears on the screen or press OK to access the Input signal index table. Press → to select an input source, press ↓/↑, then press OK.

→1/→1, →2/→2:
Audio/video or RGB input signal through the scart socket →/→1 or 2. → appears only if an RGB source has been connected.

→4/S→4:
Video input signal through the video socket →4, and audio input signal through the audio socket L/G/S/I (MONO), R/D/D/D sockets →4. S→ appears only if the equipment is connected to the S video socket S→4 instead of the video socket →4, and S video input signal is input through the S video socket S→4.

→5:
RGB input signal through the PC connectors →5, and audio input signal through the socket →.

→6:
Digital audio/video signal is input through the HDMI IN 6 socket. Audio input signal is analogue only if the equipment has been connected using the DVI and audio out socket.

Additional operations

To	Do this
Return to the normal TV operation	Press DIGITAL or ANALOG.
Access the Input signal index table	Press ⊕ (OK), then press →. To select an input source, press ↑/↓, then press ⊕ (OK).

Available discs

Format of discs	Disc logo
DVD VIDEO	
DVD-R	
DVD-RW	
DVD+RW/ DVD+R	
VIDEO CD	
Super Audio CD*1	
Audio CD*2	
CD-R/CD-RW (audio data) (MP3 files) (JPEG files)	

The “DVD VIDEO,” “DVD-R,” “DVD-RW,” “DVD+RW,” “DVD+R,” and “CD” logos are trademarks.

*1 Except for multi-channel playback area.

*2 CD text data can be displayed (disc title only).

Note about CDs/DVDs

The system can play CD-ROMs/CD-Rs/CD-RWs recorded in the following formats:

– audio CD format.

– video CD format.

– MP3 audio tracks, JPEG image files, and DivX video files of format conforming to ISO 9660 Level 1/Level 2, or its extended format, Joliet.

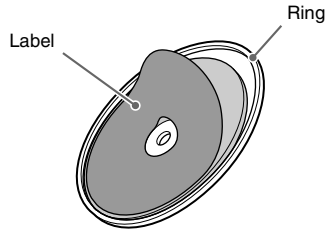
The system can play DVD-ROMs/DVD+RWs/DVD-RWs/DVD+Rs/DVD-Rs recorded in the following formats:

– MP3 audio tracks, JPEG image files and DivX video files of format conforming to UDF (Universal Disc Format).

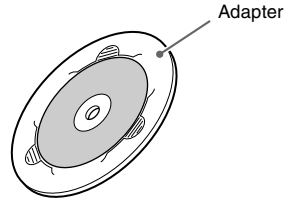
Example of discs that the system cannot play

The system cannot play the following discs:

- CD-ROMs/CD-Rs/CD-RWs other than those recorded in the formats listed on page 26.
- CD-ROMs recorded in PHOTO CD format.
- Data part of CD-Extras.
- DVD Audios.
- DVD-RAMs.
- A DVD VIDEO with a different region code (page 27).
- DATA CDs/DATA DVDs that do not contain MP3 audio tracks, JPEG image files, or DivX video files.
- A disc that has a non-standard shape (e.g., card shaped, heart shaped).
- A disc that has a commercially available accessory attached, such as a label or ring.



- An adapter to convert an 8 cm disc to standard size.



- A disc with paper or stickers on it.
- A disc that has the adhesive of cellophane tape or a sticker still left on it.

Notes about CD-R/CD-RW/DVD-R/DVD-RW/DVD+R/DVD+RW

In some cases, CD-R/CD-RW/DVD-R/DVD-RW/DVD+R/DVD+RW cannot be played on this system due to the recording quality or physical condition of the disc, or the characteristics of the recording device and authoring software.
The disc will not play if it has not been correctly finalized. For more information, see the operating instructions for the recording device.
Note that discs created in the Packet Write format cannot be played.
Note that some playback functions may not work with some DVD+Rs/DVD+RWs, even if they have been correctly finalized. In this case, view the disc by normal playback.
Also some DATA CDs/DATA DVDs created in Packet Write format cannot be played.

Music discs encoded with copyright protection technologies

This product is designed to play back discs that conform to the Compact Disc (CD) standard.
Recently, various music discs encoded with copyright protection technologies are marketed by some record companies. Please be aware that among those discs, there are some that do not conform to the CD standard and may not be playable by this product.

Note on DualDisc

A DualDisc is a two sided disc product which mates DVD recorded material on one side with digital audio material on the other side. However, since the audio material side does not conform to the Compact Disc (CD) standard, playback on this product is not guaranteed.

About Multi Session CD

- This system can play Multi Session CDs when an MP3 audio track is contained in the first session. Any subsequent MP3 audio tracks recorded in later sessions can also be played back.
- This system can play Multi Session CDs when a JPEG image file is contained in the first session. Any subsequent JPEG image files recorded in later sessions can also be played back.
- If audio tracks and images in music CD format or video CD format are recorded in the first session, only the first session will be played back.

About the Super Audio CD

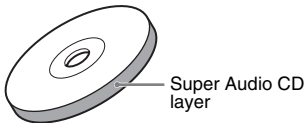
Super Audio CD is a new high-quality audio disc standard where music is recorded in the DSD (Direct Stream Digital) format (conventional CDs are recorded in the PCM format). The DSD format, using a sampling frequency 64 times higher than that of a conventional CD, and with 1-bit quantization, achieves both a wide frequency range and a wide dynamic range across the audible frequency range, and so provides music reproduction extremely faithful to the original sound.

Types of Super Audio CDs

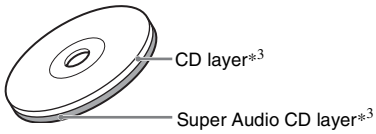
There are two types of discs, depending on the Super Audio CD layer and CD layer combination.

- Super Audio CD layer: A high-density signal layer for Super Audio CD
- CD layer*1: A layer that is readable by a conventional CD player

Single layer disc
(a disc with a single Super Audio CD layer)



Hybrid disc*2
(a disc with an Super Audio CD layer and a CD layer)



*1 You can play the CD layer on a conventional CD player.

*2 Since both layers are on one side, it is not necessary to turn the disc over.

*3 To select a layer, see "Selecting a playback layer for a Super Audio CD (Super Audio CD only)" (page 32).

Region code

Your system has a region code printed on the back of the unit and will only play DVDs labelled with the same region code.
DVD VIDEOs labelled will also play on this system.
If you try to play any other DVD VIDEO, the message [Playback prohibited by area limitations.] will appear on the TV screen. Depending on the DVD VIDEO, no region code indication may be given even though playing the DVD VIDEO is prohibited by area restrictions.

Note on playback operations of DVDs and VIDEO CDs

Some playback operations of DVDs and VIDEO CDs may be intentionally set by software producers. Since this system plays DVDs and VIDEO CDs according to the disc contents the software producers designed, some playback features may not be available. Also, refer to the instructions supplied with the DVDs or VIDEO CDs.

Continued

Copyrights

This product incorporates copyright protection technology that is protected by U.S. patents and other intellectual property rights. Use of this copyright protection technology must be authorized by Macrovision, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision. Reverse engineering or disassembly is prohibited.

This system incorporates with Dolby*1 Digital and Dolby Pro Logic (II) adaptive matrix surround decoder and the DTS*2 Digital Surround System.

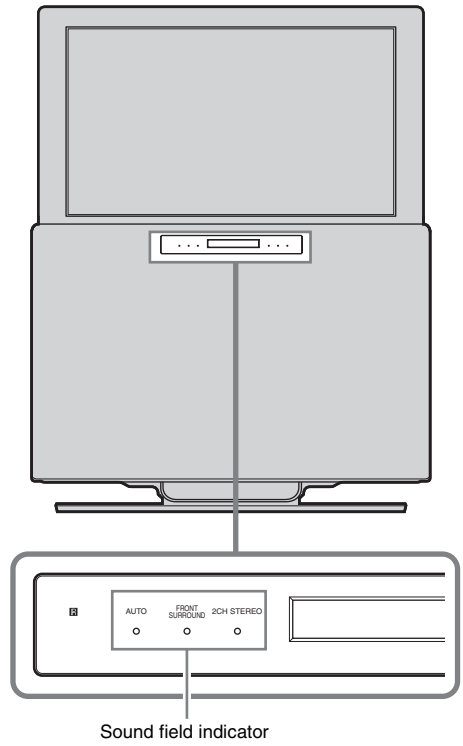
*1 Manufactured under license from Dolby Laboratories. "Dolby," "Pro Logic," and the double-D symbol are trademarks of Dolby Laboratories.

*2 Manufactured under license from Digital Theater Systems, Inc. "DTS" and "DTS Digital Surround" are trademarks of Digital Theater Systems, Inc.

System sound feature

DVD-V DVD-VR VIDEO CD CD DATA CD DATA DVD

You can take advantage of this front surround sound simply by selecting one of system's preprogrammed sound fields. They bring the exciting and powerful sound of movie theaters into your home.



Sound field indicator

With cover opened.

1 Press SOUND FIELD.

The present sound field appears in the front panel display.

2 Press SOUND FIELD repeatedly until the sound field you want appears in the front panel display.

The selected sound field indicator lights up*.

* When you press SOUND FIELD and the selected field is AUTO, AUTO and the selected sound field indicator (FRONT SURROUND or 2CH STEREO) light up.

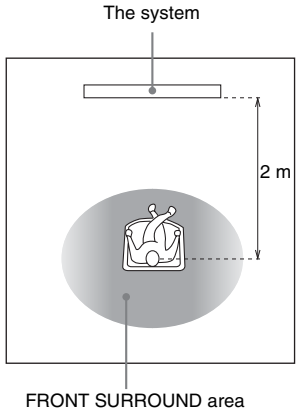
Available sound fields

■ AUTO (AUTO MODE)

This mode selects the sound field (FRONT SURROUND or 2CH STEREO) automatically, according to the type of audio signal being input.

■ FRONT SURROUND (FRONT SUR)

You can enjoy surround sound in the FRONT SURROUND area, as illustrated below. This sound system employs S-Force PRO Front Surround technology*.



■ 2CH STEREO

This mode outputs 2 channel sound regardless of the audio signal type being input.

■ HP 2CH

This sound field is only for headphones. When you connect headphones, the sound field is HP 2CH only.

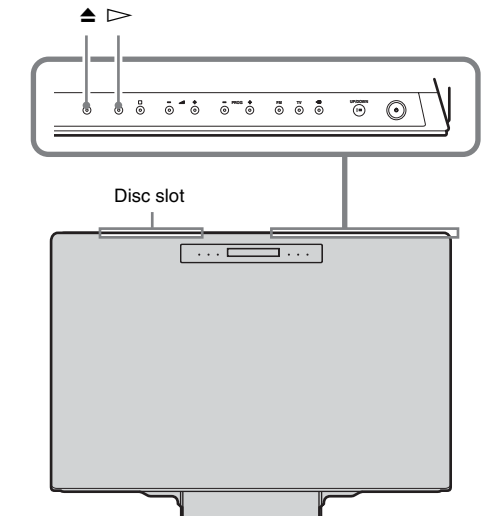
* About S-Force PRO Front Surround
Sony's long-term involvement in surround technology (and the vast amounts of acoustic data accumulated as a result) has led to the development of all-new processing method and advanced DSP to handle this task effectively, which we call S-Force PRO Front Surround. Compared with previous front surround technologies, S-Force PRO Front Surround reproduces a more convincing sense of distance and space, resulting in a true surround sound experience without the need for rear speakers.

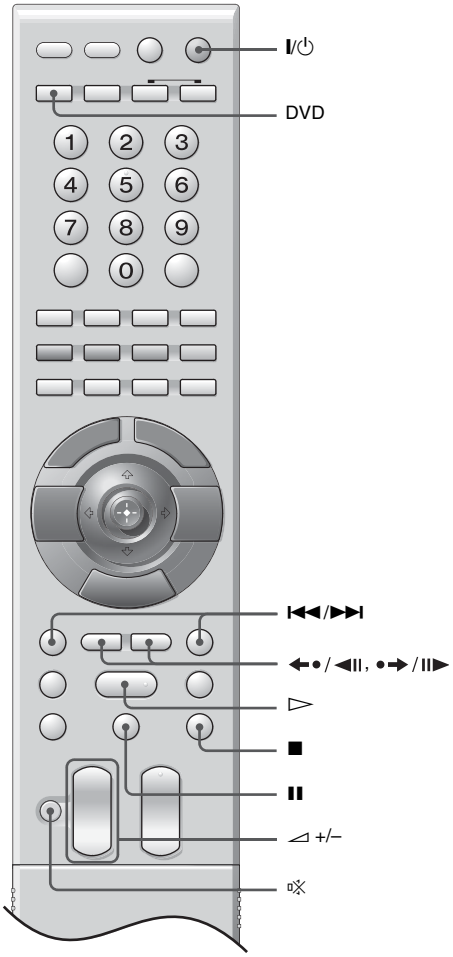
Notes

- When the system receives DVD multi-channel signals, the default AUTO setting is FRONT SURROUND.
- When the system receives CDs or DATA CDs, the AUTO setting is 2CH STEREO.
- When using headphones, the sound field is HP 2CH regardless of source.
- When the selected input is other than DVD, the default AUTO setting is 2CH STEREO.
- The sound field for Super Audio CDs is 2CH STEREO only.
- The surround effect might be difficult to hear depending on the type of source signals (e.g., digital stereo signals, digital multi signals, etc.) except for DVD multi-channel signals.

Playing discs

DVD-V DVD-VR VIDEO CD SuperAudioCD CD DATA CD DATA DVD





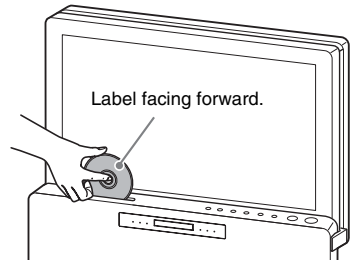
Depending on the DVD VIDEO or VIDEO CD, some operations may be different or restricted.
Refer to the operation details supplied with your disc.

1 Press I/⏻.

The system turns on.
Unless the system input is already set to “DVD,” press DVD.

2 Load a disc.

Push the disc into the disc slot until the disc is pulled in automatically.



3 Press ▷.

The system starts playback (continuous play).
Adjust the volume.

Additional operations

To	Press
Stop	■
Pause	II
Resume play after pause	II or ▷
Go to the next chapter, track, or scene	I▶▶I (except for JPEG)
Go back to the preceding chapter, track, or scene	I◀◀ (except for JPEG)
Mute the sound	🔇. To cancel muting, press it again or ◿ + to adjust the sound volume.
Stop play and remove the disc	⏏ on the system.
Replay the previous scene*1	←●/◀II (instant replay) during playback.
Briefly fast forward the current scene*2	●→/II▶ (instant advance) during playback.

*1 DVD VIDEOs/DVD-RWs/DVD-Rs only. The button can be used except for MP3 audio tracks, JPEG image files, and DivX video files.

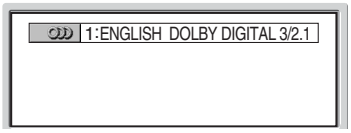
*2 DVD VIDEOs/DVD-RWs/DVD-Rs/DVD+RWs/DVD+Rs only. The button can be used except for MP3 audio tracks, JPEG image files, and DivX video files.

Various play modes

Changing the sound (DVD VIDEO, DVD-VR, VIDEO CD, CD, DATA CD, DATA DVD only)

When playing a DVD VIDEO or DATA CD/DATA DVD (DivX video files) recorded in multiple audio formats (PCM, Dolby Digital, MPEG audio, or DTS), you can change the audio format. If the DVD VIDEO is recorded with multilingual tracks, you can also change the language.
With VIDEO CDs, CDs, or DATA CDs/DATA DVDs (MP3 audio), you can select the sound from the right or left channel and listen to the sound of the selected channel through both the right and left speakers of the lift unit.

1 Press AUDIO during playback.
The following display appears.



2 Press AUDIO repeatedly to select the desired audio signal.

■ When playing a DVD VIDEO
The choice of language varies depending on the DVD VIDEO.
When 4 digits are displayed, they indicate a language code. Refer to "Language code list (DVD function only)" (page 78) to see which language the code represents. When the same language is displayed two or more times, the DVD VIDEO is recorded in multiple audio formats.

■ When playing a DVD-R/DVD-RW
The audio streams recorded on a disc are displayed.
Example:
- [1: AUDIO]
- [2: AUDIO]

Note
[2: AUDIO] does not appear when one audio stream is recorded on the disc.

■ When playing a VIDEO CD, CD, or DATA CD/ DATA DVD (MP3 audio)
- [STEREO]: The standard stereo sound.
- [1/L]: The sound of the left channel (monaural).
- [2/R]: The sound of the right channel (monaural).

■ When playing a DATA CD/DATA DVD (DivX video)
- The choice of DATA CD or DATA DVD audio signal formats differ, depending on the DivX video file contained on the disc. The format is shown in the display.

■ When playing a Super VCD
- [1:STEREO]: The stereo sound of the audio track 1.
- [1:1/L]: The sound of the left channel of the audio track 1 (monaural).
- [1:2/R]: The sound of the right channel of the audio track 1 (monaural).
- [2:STEREO]: The stereo sound of the audio track 2.
- [2:1/L]: The sound of the left channel of the audio track 2 (monaural).
- [2:2/R]: The sound of the right channel of the audio track 2 (monaural).

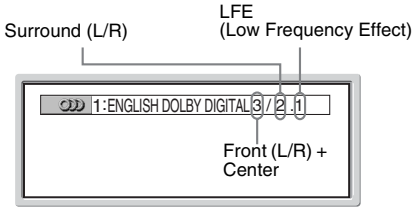
Note
While playing a Super VCD on which the audio track 2 is not recorded, no sound will come out when you select [2:STEREO], [2:1/L], or [2:2/R].

To check the audio signal format (DVD VIDEO, DATA CD, DATA DVD only)

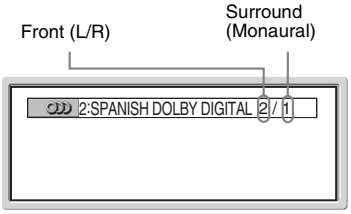
If you press AUDIO repeatedly during playback, the format of the current audio signal (PCM, Dolby Digital, DTS, etc.) appears on the screen. This function is prohibited on some discs.

■ When playing a DVD VIDEO

Example: Dolby Digital 5.1 ch



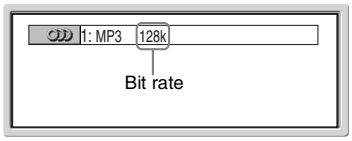
Example: Dolby Digital 3 ch



Continued

■ When playing a DATA CD/DATA DVD (DivX video)

Example: MP3 audio



Selecting a playback layer for a Super Audio CD (Super Audio CD only)

Some Super Audio CDs consist of a Super Audio CD layer and a CD layer. You can select the playback layer you want to listen to.

Press SA-CD/CD. (If a disc is playing, press ■ to stop playback, then press SA-CD/CD.)

Each time you press the button, a Super Audio CD layer or a CD layer is alternately selected. When playing a Super Audio CD layer, "SA-CD" lights up in the front panel display.

Notes

- For details about Super Audio CD discs, see page 27.
- Each play mode function works only within the selected layer.

Playing VIDEO CDs with PBC functions (Ver.2.0)

(PBC Playback)

(VIDEO CD only)

With PBC (Playback Control) functions, you can enjoy simple interactive operations, search functions, and other such operations.
PBC playback allows you to play VIDEO CDs interactively by following the menu on the TV screen.

1 Start playing a VIDEO CD with PBC functions.

The menu for your selection appears.

2 Select the item number you want by the number buttons.

3 Press ⊕ (ENTER).

4 Follow the instructions in the menu for interactive operations.

Refer to the operation details supplied with the disc, as the operating procedure may differ depending on the VIDEO CD.

To go back to the menu

Press ↩ RETURN.

Notes

- You cannot use Programme Play, Shuffle Play, or Repeat Play with Video CDs with PBC playback.
- Depending on the VIDEO CD, [Press ENTER] in step 3 may appear as [Press SELECT] in the instructions supplied with the disc. In this case, press ▷.

Tip

To play without using PBC, press ⏮/⏭ or the number buttons while the system is stopped to select a track, then press ▷ or ⊕ (ENTER).
You cannot play still pictures such as a menu. To return to PBC playback, press ■ twice, then press ▷.

Resuming playback from the point where you stopped the disc

(Resume Play)

(DVD VIDEO, DVD-VR, VIDEO CD, Super Audio CD, CD, DATA CD, DATA DVD only)

When you stop the disc, the system remembers the point where you pressed ■ and you can start playback from the point you stopped the disc.

1 While playing a disc, press ■ to stop playback.

"Resume" appears in the front panel display.
If "Resume" does not appear, Resume Play is not available.

2 Press ▷.

The system starts playback from the point where you stopped the disc in step 1.

To enjoy a disc that is played before by resume playback (Multi-disc Resume) (DVD VIDEO, VIDEO CD only)

This system stores the point where you stopped the disc for up to 40 discs and resumes playback the next time you insert the same disc. If you store a resume playback point for the 41st disc, the resume playback point for the first disc is deleted.
To activate this function, set [MULTI-DISC RESUME] in [CUSTOM SETUP] to [ON]. For details, see "[MULTI-DISC RESUME] (DVD VIDEO/VIDEO CD only)" (page 68).

Notes

- If [MULTI-DISC RESUME] in [CUSTOM SETUP] is set to [OFF] (page 68), the resume point is cleared when you change the input.
- The point where you stopped playing may be cleared when:
  - you change the play mode.
  - you change or reset the settings on the Setup Display.
  - you change the input.
  - you disconnect the AC power cord (mains lead) for a long period of time.

- For DVD-Rs/DVD-RWs in VR mode, CDs, Super Audio CDs, DATA CDs, and DATA DVDs the system remembers the resume playback point for the current disc. The resume point is cleared when:
  – you eject the disc.
  – the system enters standby mode (DATA CD/DATA DVD only).
- Resume Play does not work during Programme Play and Shuffle Play.
- This function may not correctly work with some discs.
- Depending on where you stop the disc, the system may not resume playback from exactly the same point.
- If you play a disc for which Parental Control is set, this function does not work.

Tip

To play from the beginning of the disc, press ■ twice, then press ▷.

Searching for a particular point or a scene on a disc

Searching for a particular point on a disc *(Scan, Slow-motion Play, Freeze Frame)* (DVD VIDEO, DVD-VR, VIDEO CD, Super Audio CD, CD, DATA CD, DATA DVD only)

Note

Depending on the DVD/VIDEO CD, you may not be able to do some of the operations described.

Locating a point quickly by playing a disc in fast forward or fast reverse (Scan) (except for JPEG)

Press ◄◄ or ►► while playing a disc. When you find the point you want, press ▷ to return to normal speed. Each time you press ◄◄ or ►► during scan, the playback speed changes. With each press the indication changes as shown below. Actual speeds may differ with some discs.

Playback direction

×2► → 1►► → 2►► → 3►►

3►► (DVD VIDEO/DVD-R/DVD-RW/DivX video/VIDEO CD only)
×2► (DVD VIDEO/Super Audio CD/CD only)

Opposite direction

×2◄ → 1◄◄ → 2◄◄ → 3◄◄

3◄◄ (DVD VIDEO/DVD-R/DVD-RW/DivX video/VIDEO CD only)
×2◄ (DVD VIDEO only)

With each press, playback speed becomes faster.

Watching frame by frame (Slow-motion Play) (DVD VIDEO, DVD-R, DVD-RW, DivX video, VIDEO CD only)

Press ◄◄ or ►► when the system is in pause mode. To return to the normal playback speed, press ▷. Each time you press ◄◄ or ►► during Slow-motion Play, the playback speed changes. Two speeds are available. With each press the indication changes as follows:

Playback direction

2► ⟷ 1►

Opposite direction (DVD VIDEO/DVD-R/DVD-RW only)

2◄ ⟷ 1◄

With each press, playback speed becomes faster.

Playing one frame at a time (Freeze Frame) (except for Super Audio CD, CD, MP3, and JPEG)

When the system is in the pause mode, press ●➔/II► (step) to go to the next frame.
Press ←●/◄II (step) to go to the preceding frame (DVD VIDEO/DVD-R/DVD-RW only).
To return to normal playback, press ▷.

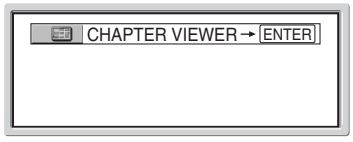
Notes

- You cannot search for a still picture on a DVD-R/DVD-RW in VR mode.
- For DATA CDs/DATA DVDs, this function works only for DivX video files.

Searching by scene *(Picture Navigation)* (DVD VIDEO, VIDEO CD only)

You can divide the screen into 9 subscreens and find the desired scene quickly.

1 Press PICTURE NAVI during playback.
The following display appears.

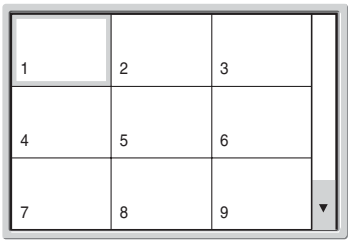


2 Press PICTURE NAVI repeatedly to select an item.
- [TITLE VIEWER] (DVD VIDEO only)
- [CHAPTER VIEWER] (DVD VIDEO only)
- [TRACK VIEWER] (VIDEO CD only)

Continued

3 Press ⊕ (ENTER).

The first scene of each title, chapter, or track appears as follows.



4 Press ←/↑/↓/→ to select a title, chapter, or track, and press ⊕ (ENTER).

Playback starts from the selected scene.

To return to normal play during setting

Press ↩ RETURN or DVD DISPLAY.

Note

Depending on the disc, you may not be able to select some items.

Displaying various angles and subtitles

Changing the angles (DVD VIDEO only)

If various angles (multi-angles) for a scene are recorded on a DVD VIDEO, you can change the viewing angle.

Press ANGLE during playback.

Each time you press ANGLE, the angle changes.

Note

Depending on the DVD VIDEO, you may not be able to change the angle even if multi-angles are recorded on the DVD VIDEO.

Displaying the subtitles (DVD VIDEO, DVD-VR, DATA CD,DATA DVD only)

If subtitles are recorded on a disc, you can turn the subtitles on or off while playing. If multilingual subtitles are recorded on the disc, you can change the subtitle language while playing, or turn the subtitles on or off whenever you want.

Press SUBTITLE during playback.

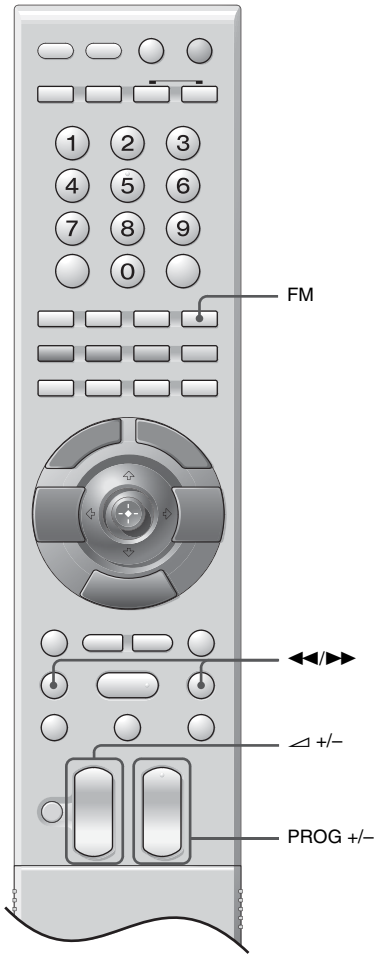
Each time you press SUBTITLE, the subtitle language changes. A 4-digit language code number appears. Refer to “Language code list” on page 78.

Notes

- Depending on the DVD VIDEO, you may not be able to change the subtitles even if multilingual subtitles are recorded on it. You also may not be able to turn them off.
- You can change the subtitles if the DivX video file has an “.AVI” or “.DIVX” extension and contains subtitle information within the same file.

Listening to the FM radio

Preset FM radio stations in the system's memory first (see "Presetting FM radio stations" (page 36)).



1 Press FM.

"FM" appears in the front panel display.
The last received station is tuned in.

2 Press PROG + or – repeatedly to select the preset station you want.

Each time you press the button, the system tunes in one preset station.

You can also select a preset station by entering its number with number buttons, then press ⊕ (ENTER).

3 Adjust the volume by pressing +/–.

To turn off the FM radio

Press I/⏻.

To listen to non-preset FM radio stations

Use manual or automatic tuning in step 2.
For manual tuning, press ▶▶ or ◀◀ repeatedly.
For automatic tuning, press and hold ▶▶ or ◀◀.
Press ■ when you stop the automatic tuning.

When an FM programme is noisy

1 Press FM MENU.

2 Press ↑/↓ repeatedly until "FM MODE?" appears in the front panel display, then press ⊕ (ENTER).

3 Press ↑/↓ to select "MONO", then press ⊕ (ENTER).
Sound will not be stereo, but the reception will improve. Press the button again to restore stereo.

Tips

- To improve reception, reorient the supplied antenna (aerial).
- You can check the frequency by pressing TIME/TEXT repeatedly.

Using the Radio Data System (RDS)

What is the Radio Data System

The Radio Data System (RDS) is a broadcasting service that allows radio stations to send additional information along with the regular programme signal. This tuner offers convenient RDS features, such as station name display. RDS is available only for FM stations.*

Note

RDS may not work properly if the station you are tuned to is not transmitting the RDS signal properly, or if the signal strength is weak.

* Not all FM stations provide RDS service, nor do they provide the same type of services. If you are not familiar with the RDS system, check with your local radio stations for details on RDS services in your area.

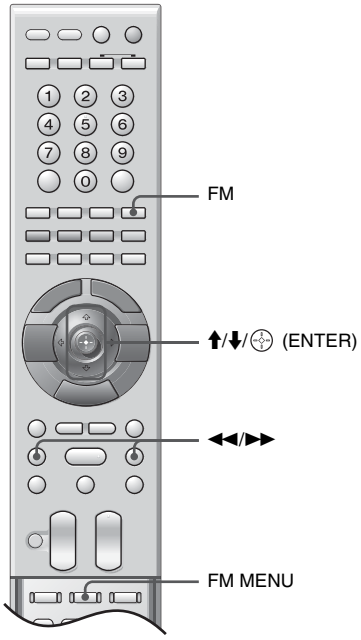
Receiving RDS broadcasts

Simply select a station from the FM band.
When you tune in a station that provides RDS services, the station name* appears in the tuner information.

* If an RDS broadcast is not received, the station name may not appear in the display.

Presetting FM radio stations

You can preset 20 FM stations. Before tuning, make sure to turn down the volume to minimum.



With cover opened.

1 Press FM.

"FM" appears in the front panel display.

2 Press and hold ▶▶ or ◀◀ until the auto scanning starts.

Scanning stops when the system tunes in a station. "TUNED" and "ST" (for stereo programme) appear in the front panel display.

3 Press FM MENU.

4 Press ↑/↓ repeatedly until "Memory?" appears in the front panel display.

5 Press ⊕ (ENTER).

A preset number appears in the front panel display.

6 Press ↑/↓ to select the preset number you want.

7 Press ⊕ (ENTER).

The station is stored.

8 Repeat 1 to 7 to store other stations.

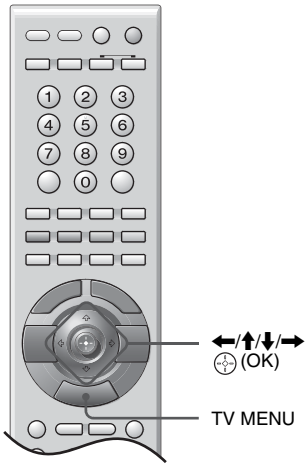
To change the preset number

Restart from step 1.

Note

These preset settings will be reset when the AC power cord (mains lead) is disconnected for more than a half of a day.

Navigating through menus



1 Press TV MENU to display the menu.

2 Press ↑/↓ to select a menu icon, press →.

3 Press ←/↑/↓/→ to select an option.

4 Press ←/↑/↓/→ to change/set the setting, then press ⊕ (OK).

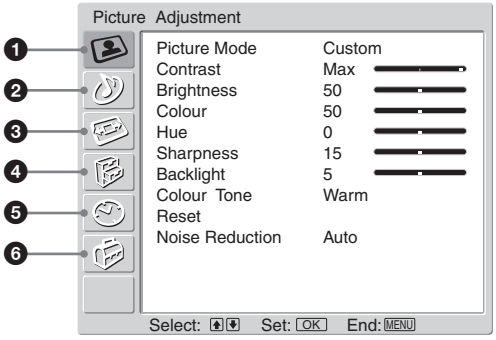
To exit the menu, press TV MENU.
To return to the last display, press ←.

Note

You cannot use the TV menus while receiving the FM signals.

Overview of the TV menus

The following options are available in each menu. For details on navigating through menus, see page 37. Also, see page in parentheses for details of each menu.



❶ Picture Adjustment

- Picture Mode (38)
- Contrast/Brightness/Colour/Hue/Sharpness/Backlight (38)
- Colour Tone (39)
- Reset (39)
- Noise Reduction (39)

❷ Sound Adjustment

- Sound Effect (39)
- Treble/Bass/Balance (40)
- Reset (40)
- Dual Sound (40)

❸ Screen

- Auto Format (40)
- Screen Format (40)
- RGB Center (40)

❹ Features

- Power Saving (41)
- Light Sensor (41)
- AV2 Output (41)
- PC Adjustment (41)

❺ Timer

- Sleep Timer (42)
- Clock Set (42)
- Timer (42)

Continued

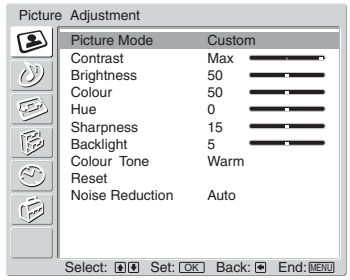
❻ **Set Up**

- Auto Startup (43)
- Auto Tuning (43)
- Programme Sorting (43)
- Programme Labels (43)
- AV Preset (44)
  - Label/Skip/Sound Offset
- Manual Programme Preset (44)
  - Programme/Channel/Label/AFT/Audio Filter/Skip/ATT/Confirm
- Digital Set Up (46)
  - Digital Tuning/Digital Set-up

Note

The options you can adjust vary depending on the situation. Only the options that can be operated are displayed.

Picture Adjustment menu



You can select the options listed below on the Picture Adjustment menu. To select options, see “Navigating through menus” (page 37).

Tip

When you set [Picture Mode] to [Vivid] or [Standard], you can adjust only [Contrast], and [Reset].

Picture Mode

Selects the picture mode.

1 Press ⊕ (OK) to select [Picture Mode].

2 Press ↑/↓ to select one of the following picture modes, then press ⊕ (OK).

- [Vivid]: For enhanced picture contrast and sharpness.
- [Standard]: For standard picture. Recommended for home entertainment.
- [Custom]: Allows you to store your preferred settings.

Tip

You can also change the picture mode by pressing ☼ repeatedly.

Contrast/Brightness/Colour/Hue/Sharpness/Backlight

1 Press ⊕ (OK) to select the option.

2 Press ←/→ to set the level, then press ⊕ (OK).

Tip

[Hue] can only be adjusted for an NTSC colour signal (e.g., U.S.A. video tapes).
[Brightness], [Colour], [Hue], [Sharpness] and [Backlight] only appear and can be adjusted if [Picture Mode] is set to [Custom].

Colour Tone

1 Press ⊕ (OK) to select [Colour Tone].

2 Press ↑/↓ to select one of the following, then press ⊕ (OK).

- [Cool]: Gives the white colours a blue tint.
- [Neutral]: Gives the white colours a neutral tint.
- [Warm]: Gives the white colours a red tint.

Tip

[Warm] only appears and can be adjusted if [Picture Mode] is set to [Custom].

Reset

Reset all the picture settings to the factory settings.

1 Press ⊕ (OK) to select [Reset].

2 Press ↑/↓ to select [OK], then press ⊕ (OK).

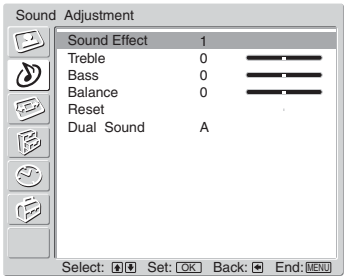
Noise Reduction

Reduces the picture noise (snowy picture) in a weak broadcast signal.

1 Press ⊕ (OK) to select [Noise Reduction].

2 Press ↑/↓ to select one of the options, and then press ⊕ (OK).

Sound Adjustment menu



You can select the options listed below on the Sound Adjustment menu. To select options, see "Navigating through menus" (page 37).

Note

These sound settings are not effective for DVD/FM.

Sound Effect

1 Press ⊕ (OK) to select [Sound Effect].

2 Press ↑/↓ to select one of the following sound effects, then press ⊕ (OK).

- [1]: Flat response.
- [2]: Emphasize bass and treble.
- [3]: Reduce bass, and emphasize treble.
- [4]: Emphasize bass, and reduce treble.

Continued

Treble/Bass/Balance

Adjusts higher-pitched sounds (Treble), adjusts lower-pitched sounds (Bass), and emphasizes left or right speaker balance (Balance).

1 Press ⊕ (OK) to select the option.

2 Press ←/→ to set the level, then press ⊕ (OK).

Reset

Resets the [Treble], [Bass] and [Balance] settings to the factory settings.

1 Press ⊕ (OK) to select [Reset].

2 Press ↑/↓ to select [OK], then press ⊕ (OK).

Dual Sound

Selects the sound from the speaker for a stereo or bilingual broadcast.

1 Press ⊕ (OK) to select [Dual Sound].

2 Press ↑/↓ to select one of the following, then press ⊕ (OK).

- [Stereo]/[Mono]: For a stereo broadcast.
- [A]/[B]/[Mono]: For a bilingual broadcast, select [A] for sound channel 1, [B] for sound channel 2, or [Mono] for a mono channel, if available.

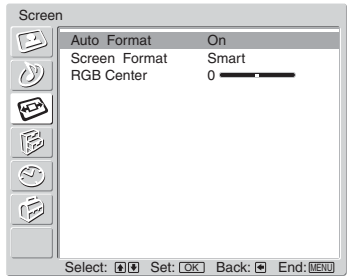
Tip

If you select other equipment connected to the system, set [Dual Sound] to [Stereo], [A] or [B].

Note

When DVD is selected, the [Dual Sound] menu does not appear.

Screen menu



You can select the options listed below on the Screen menu. To select options, see "Navigating through menus" (page 37).

Auto Format

Automatically changes the screen format according to the broadcast signal.

1 Press ⊕ (OK) to select [Auto Format].

2 Press ↑/↓ to select [On], then press ⊕ (OK).

To keep your setting, select [Off].

Tips

- Even if you have selected [On] or [Off] in [Auto Format], you can always modify the format of the screen by pressing ⊞ repeatedly.
- [Auto Format] is available for PAL and SECAM signals only.

Screen Format

For details about the screen mode, see page 21.

1 Press ⊕ (OK) to select [Screen Format].

2 Press ↑/↓ to select [Wide], [Smart], [4:3], [14:9] or [Zoom] (see page 21 for details), then press ⊕ (OK).

RGB Center

Adjusts the horizontal picture position so that the picture is in the middle of the screen.

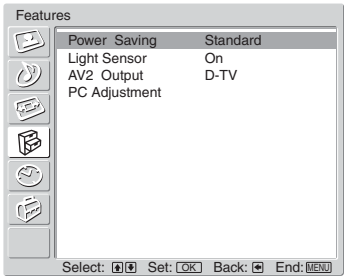
1 Press ⊕ (OK) to select [RGB Center].

2 Press ←/→ to adjust the centre of the picture between -5 and +5, then press ⊕ (OK).

Tip

This option is only available if an RGB source has been connected to the Scarts connectors ⇥1/⇤1 or ⇥2/⇤2 on the rear of the system.

Features menu



You can select the options listed below on the Features menu. To select options, see "Navigating through menus" (page 37).

Power Saving

Reduces the power consumption of the system.

1 Press ⊕ (OK) to select [Power Saving].

2 Press ↑/↓ to select [Reduce], then press ⊕ (OK).

- [Standard]: Default settings.
- [Reduce]: Reduces the power consumption of the TV.
- [Picture Off]: Switches off the picture. You can listen to the sound with the picture off.

Light Sensor

Automatically optimizes the picture settings according to the ambient light in the room.

1 Press ⊕ (OK) to select [Light Sensor].

2 Press ↑/↓ to select [On] then press ⊕ (OK).

AV2 Output

Sets a signal to be output through the socket labelled ⊃/⊂2 on the rear of the system. If you connect a VCR or other recording equipment to the ⊃/⊂2 socket, you can then record from the equipment connected to other sockets of the system.

1 Press ⊕ (OK) to select [AV2 Output].

2 Press ↑/↓ to select one of the following, then press ⊕ (OK).

- [D-TV]: Outputs a digital broadcast.
- [A-TV]: Outputs an analogue broadcast.
- [AV1]: Outputs signals from equipment connected to the ⊃/⊂1 socket.
- [AV4]: Outputs signals from equipment connected to the ⊂4/S⊂4 socket.
- [Auto]: Outputs one of the signals above.

PC Adjustment

Customizes the TV screen as a PC monitor.

1 Press ⊕ (OK) to select [PC Adjustment].

2 Press ↑/↓ to select one of the following, then press ⊕ (OK).

- [Phase]: Adjust the screen when a part of a displayed text or image is not clear.
- [Pitch]: Enlarges or shrinkes the screen size horizontally.
- [H Center]: Moves the screen to the left or to the right.
- [V Center]: Moves the screen up or down.
- [Power Saving]: Turns to standby mode if no PC signal is received.
- [Reset]: Resets to the factory settings.

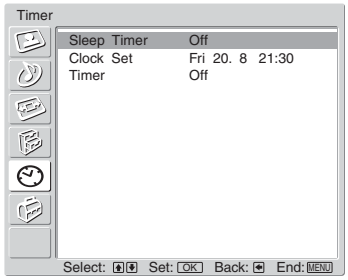
Tip

This option is only available if you are in PC Mode.

Note

When "AUTO" in "Lift Mode" and "On" in "Power Saving" is selected, the lift unit moves up automatically if the system enters standby mode.

Timer menu



You can select the options listed below on the Timer menu. To select options, see "Navigating through menus" (page 37).

Notes

- When the FM is selected, you cannot set the Timer menu.
- If "AUTO" is set in "Lift Mode," the lift unit moves up when the system is turned off, or moves down when the system is turned on by the timer (page 72).

Sleep Timer

Sets a period of time after which the system automatically switches itself into standby mode.

1 Press ⊕ (OK) to select [Sleep Timer].

2 Press ↑/↓ to select the desired time period ([30min]/[60min]/[90min]/[120min]), then press ⊕ (OK).

The ⏲ (Timer) indicator on the lift unit lights up in amber.

Tips

- You can also set the sleep timer by pressing ⏲ repeatedly.
- If you switch off the system and switch it on again, [Sleep Timer] is reset to [Off].
- [Sleep timer will end soon. Power will be turned off.] appears on the screen one minute before the system switches to standby mode. This message does not appear when the FM is selected.
- If you press i+/?, the remaining time in minutes before the system switches to standby mode is displayed on the screen.

Clock Set

1 Press ⊕ (OK) to select [Clock Set].

2 Press ↓/↑ to select the day, then press →.

3 Set the month, year, and hour in the same way as in step 2.

4 Press ↓/↑ to select the minute, then press ⊕ (OK).

The clock starts.

Timer

Sets a predefined period of time after which the system automatically switches on/off.

1 Press ⊕ (OK) to select [Timer].

2 Press ↓/↑ to select [Set], then press ⊕ (OK).

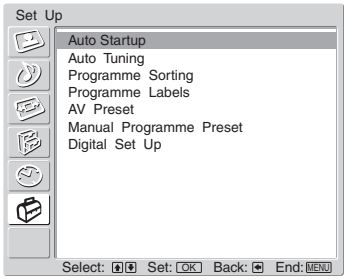
3 Press → to select the desired period ([One Day], [Daily], [Mon-Fri] or [Weekly]), then press ⊕ (OK).

4 Press ↓/↑ to select [On Time] or [Off Time], then press ⊕ (OK).

5 Press ↓/↑ to active. Press →, then press ←/↑/↓/→, to set time you wish to switch on/off the system. Press ⊕ (OK) to confirm.

Timer setting is complete. The ⏲ (Timer) indicator on the lift unit lights up in amber.

Set Up menu



You can select the options listed below on the Set Up menu. To select options, see "Navigating through menus" (page 37).

Auto Startup

Starts the "first time operation menu" to tune in all the available channels. Usually you do not need to do this operation because the channels are already tuned when the system was first installed (page 18). However, this option allows you to repeat the process (e.g., to retune the system after moving house, or to search for new channels that have been launched by broadcasters).

1 Press ⊕ (OK) to select [Auto Startup].

2 Press ⊕ (OK) to select [Yes].
The auto-tune display appears on the screen.

3 Follow steps 1 to 4 of "6: Auto-tuning the TV" (page 18).

Auto Tuning (Analogue mode only)

Tunes in all the available analogue channels. Usually you do not need to do this operation because the channels are already tuned when the system was first installed (page 18). However, this option allows you to repeat the process (e.g., to retune the system after moving house, or to search for new channels that have been launched by broadcasters).

1 Press ⊕ (OK) to select [Auto Tuning].

2 Press ⊕ (OK) to select [Yes].
The auto-tune display appears on the screen.

3 Follow step 1 to 4 of "6: Auto-tuning the TV" (page 18).
When all available analogue channels have been tuned, the system returns to normal operation.

Programme Sorting (Analogue mode only)

Changes the order in which the analogue channels are stored on the system.

1 Press ⊕ (OK) to select [Programme Sorting].

2 Press ↑/↓ to select the channel you want to move to a new position, then press ⊕ (OK).

3 Press ↑/↓ to select the new position for your channel, then press ⊕ (OK).

Repeat the procedure in steps 2 and 3 to move other channels if required.

Programme Labels (Analogue mode only)

Assigns a channel name of your choice up to five letters or numbers. The name will be displayed briefly on the screen when the channel is selected. (Names for channels are usually taken automatically from Text (if available).)

1 Press ⊕ (OK) to select [Programme Labels].

2 Press ↑/↓ to select the channel you want to name, then press ⊕ (OK).

3 Press ←/↑/↓/→ to select the desired letter or number ([□] for a blank space), then press ⊕ (OK).

If you input a wrong character
Press ←/↑/↓/→ to select ←/→ and press ⊕ (OK) repeatedly until the wrong character is selected. Then, press ←/↑/↓/→ to select the correct character and press ⊕ (OK).

4 Repeat the procedure in step 3 until the name is complete.

5 Press ←/↑/↓/→ to select [End], then press ⊕ (OK).

Repeat the procedure in steps 2 and 3 to move other channels if required.

Continued

AV Preset

Do the following options.

1 Press ⊕ (OK) to select [AV Preset].

2 Press ↑/↓ to select the desired input source, then press ⊕ (OK).

3 Press ↑/↓ to select the desired option below, then press ⊕ (OK).

Option	Description
Label	You can conveniently assign a name to any equipment connected to the side and rear sockets. The name will be displayed briefly on the screen when the equipment is selected. Press ↑/↓ to select one of the following, then press ⊕ (OK). [AV1] (or [AV2]/[AV4])/ [VIDEO]/ [DVD]/[CABLE]/ [GAME]/[CAM]/[SAT]: Uses one of these preset labels. [Edit]: Creates your own label. Follow steps 3 through 5 of Programme Labels (page 43). [Skip]: Skips an input source that is not connected to any equipment when you press ↑/↓ to select the input source. After selecting this option, press ⊕ (OK).
Sound Offset	Sets an independent volume level to each equipment connected to the system. This setting is effective except for the DVD function. Press → to select [Sound Offset], then press ⊕ (OK). Press ↑/↓ to select the desired volume level.

Manual Programme Preset (Analogue mode only)

Before selecting [Label]/[AFT]/[Audio Filter]/[Skip]/ [ATT], press PROG +/– to select the programme number with the channel. You cannot select a programme number that is set to skip (page 46).

1 Press ⊕ (OK) to select [Manual Programme Preset].

2 Press ↑/↓ to select one of the following options, then press ⊕ (OK).

Option	Description
Programme	Presets programme channels manually. 1 Press ↑/↓ to select [Programme], then press ⊕ (OK). 2 Press ↑/↓ to select the programme number you want to manually tune (if tuning a VCR, select channel 0), then press ←.

Option	Description
Channel	**3** Press ↑/↓ to select [Channel], then press ⊕ (OK). **4** Tune the channels as follows: **If you do not know the channel number (frequency)** Press ↑/↓ to search for the next available channel. When a channel has been found, the search will stop. To continue searching, press ↑/↓. **If you know the channel number (frequency)** Press the number buttons to enter the channel number of the broadcast you want or your VCR channel number. **5** Press ⊕ (OK). **6** Press ↓ to select [Confirm], then press OK. **7** Press ↓ to select [OK], then press ⊕ (OK). Repeat the procedure above to preset other channels manually.
Label	Assigns a name of your choice, up to five letters or numbers, to the selected channel. This name will be displayed briefly on the screen when the channel is selected. **1** Follow steps 3 to 5 of [Programme Labels (Analogue mode only)] (page 43). **2** Press ↓ to select [Confirm], then press ⊕ (OK). **3** Press ↓ to select [OK], then press ⊕ (OK).

Option	Description
AFT	Fine-tunes the selected programme number manually if you feel that a slight tuning adjustment will improve the picture quality. (Normally, fine tuning is performed automatically.) **1** Press ↑/↓ to adjust the fine tuning over a range of –15 to +15, then press ⊕ (OK). **2** Press ↓ to select [Confirm], then press ⊕ (OK). **3** Press ↓ to select [OK], then press ⊕ (OK). To restore automatic fine tuning, select [On] in step 1.
Audio Filter	Improves the sound for individual channels in the case of distortion in mono broadcasts. Sometimes a non-standard broadcast signal can cause sound distortion or intermittent sound muting when watching mono programmes. **1** Press ↑/↓ to select [Low] or [High], then press ⊕ (OK). If you do not experience any sound distortion, we recommend that you leave this option set to the factory setting [Off]. **2** Press ↓ to select [Confirm], then press ⊕ (OK). **3** Press ↓ to select [OK], then press ⊕ (OK). **Note** You cannot receive stereo or dual sound when [Low] or [High] is selected.

Continued

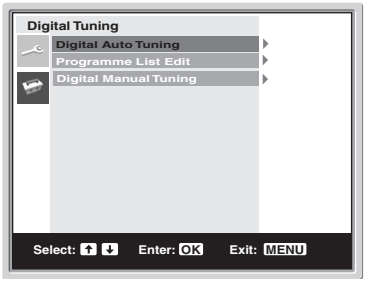
Option	Description
Skip	Skips unused analogue channels when you press PROG +/– to select channels. (You can still select a skipped channel using the number buttons.) **1** Press ↑/↓ to select [Yes], then press ⊕ (OK). **2** Press ↓ to select [Confirm], then press ⊕ (OK). **3** Press ↓ to select [OK], then press ⊕ (OK). To restore a skipped channel, select [No] in step 1.
ATT	Attenuates the RF signal. In case of a strong RF signal, some video interference may be displayed. **1** Press ↑/↓ to select [On], then press ⊕ (OK). **2** Press ↓ to select [Confirm], then press ⊕ (OK). **3** Press ↓ to select [OK], then press ⊕ (OK).

Digital Set Up

Displays the [Digital Set Up] menu. You can change/set the digital settings using this menu.

1 Press ⊕ (OK) to select [Digital Set Up].

2 Press ↑/↓ to select the desired icon below, then press ⊕ (OK).



Digital Tuning menu

3 Press ↑/↓ to select one of the following options, then press ⊕ (OK).

Option	Description
Digital Tuning Digital Auto Tuning	Tunes in all the available digital channels. Usually you do not need to do this operation because the channels are already tuned when the system was first installed (page 18). However, this option allows you to repeat the process (e.g., to retune the system after moving house, or to search for new channels that have been launched by broadcasters). **1** Press ⊕ (OK) to start digital auto-tuning. When all available digital channels have been tuned, a message stating that the auto-tuning process is finished appears. **2** Press ←.

Option	Description
Programme List Edit	Removes any unwanted digital channels stored on the system, and changes the order of the digital channels stored on the system. **1** Press ↑/↓ to select the channel you want to remove or move to a new position. **If you know the channel number (frequency)** Press the number buttons to enter the three-digit programme number of the broadcast you want. **To display the previous or next five channels** Press the red button (previous) or the green button (next). **2** Remove or change the order of the digital channels as follows: **To remove the digital channel** Press ⊕ (OK). A message that confirms whether the selected digital channel is to be deleted appears. Press → to select [Yes], then press ⊕ (OK). **To change the order of the digital channels** Press →, then press ↑/↓ to select the new position for the channel and press ⊕ (OK). Repeat the procedure in steps 1 and 2 to move other channels if required. **3** Press ←.

Option	Description
Digital Manual Tuning	Tunes the digital channels manually. **1** Press the number button to select the channel number you want to manually tune, then press ↑/↓ to tune the channel. **2** When the available channels are found, press ↑/↓ to select the channel you want to store, then press ⊕ (OK). **To display the previous or next five channels** Press the red button (previous) or the green button (next). **3** Press ↑/↓ to select the programme number where you want to store the new channel, then press ⊕ (OK). Repeat the procedure above to tune other channels manually.
Digital Set-up	
Subtitle Setting	Displays digital subtitles on the screen. Press ↑/↓ to select [Off], [Basic], or [For Hard Of Hearing], then press ⊕ (OK). When [For Hard Of Hearing] is selected, some visual aids may also be displayed with the subtitles (if TV channels broadcast such information).
Subtitle Language	Selects which language subtitles are displayed in. Press ↑/↓ to select the language, then press ⊕ (OK).
Audio Language	Selects the language used for a programme. Some digital channels may broadcast several audio languages for a programme. Press ↑/↓ to select the audio language, then press ⊕ (OK).
Audio Type	Increases the sound level. Press ↑/↓ to select [Basic] or [For Hard Of Hearing], then press ⊕ (OK).

Continued

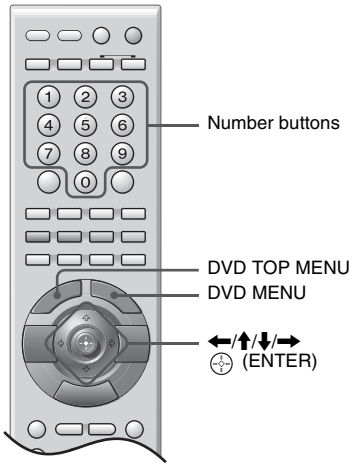
Option	Description
Parental Lock	Sets an age restriction for programmes. Any programme that exceeds the age restriction can only be watched after a PIN Code is entered correctly. **1** Press the number buttons to enter your existing PIN code. If you have not previously set a PIN, a message appears to inform you. Press ⊕ (OK), then follow the instruction of [PIN Code] below. **2** Press ↑/↓ to select the age restriction or [None] (for unrestricted watching), then press ⊕ (OK). **3** Press ←.
PIN Code	Sets a PIN Code for the first time, or to change your PIN Code. **1** Enter a PIN as follows: **If you have previously set a PIN:** Press the number buttons to enter your existing PIN. **If you have not set a PIN:** Press the number buttons to enter the factory setting PIN of 9999. **2** Press the number buttons to enter the new PIN code. **3** When requested, press the number buttons to enter the new PIN again for confirmation. A message appears to inform you that the new PIN has been accepted. **4** Press ←. **Tip** PIN Code 9999 is always accepted.

Option	Description
Technical Set-up	Displays the Technical Set-up menu. Do the following options. **1** Press ↑/↓ to select the desired option, then press ⊕ (OK). [Auto Service Update]: Enables the system to detect and store new digital services as they become available. [Software Download]: Enables the system to automatically receive software updates, free through your existing aerial (when issued). Sony recommends that this option is set to [On] at all times. If you do not want your software to be updated, set this option to [Off]. [System Information]: Displays the current software version and the signal level. Instead of step 2, Press ←. **2** Press ↑/↓ to select the [On], then press ⊕ (OK).
CA Module Set-up	This option will allow you to access a Pay Per View service once you obtain a Conditional Access Module (CAM) and a view card. See page 74 for the location of the MODEM and (PCMCIA) sockets.

Navigating through DVD's menu

DVD-V

A DVD is divided into a lot of sections, which make up a picture or music feature. These sections are called "titles." When you play a DVD which contains several titles, you can select the title you want using DVD TOP MENU.
When you play DVDs that allow you to select items such as the language for the subtitles and the language for the sound, select these items using DVD MENU.



1 Press DVD TOP MENU or DVD MENU.
The disc's menu appears on the TV screen.
The contents of the menu vary from disc to disc.

2 Press ←/↑/↓/→ or the number buttons to select the item you want to play or change.

3 Press ⊕ (ENTER).

Enjoying DivX® videos

DATA CD DATA DVD

About DivX video files

DivX® is a video file compression technology, developed by DivX, Inc. This product is an official DivX® Certified product.
You can play DATA CDs and DATA DVDs that contain DivX® video files.

DATA CDs and DATA DVDs that the system can play

Playback of DATA CDs (CD-ROMs/CD-Rs/CD-RWs) and DATA DVDs (DVD-ROMs/DVD-Rs/DVD-RWs/DVD+Rs/DVD+RWs) on this system is subject to certain conditions:

– With DATA CDs/DATA DVDs that contain DivX video files in addition to MP3 audio tracks or JPEG image files, the system plays only the DivX video files.

However, this system only plays DATA CDs whose logical format is ISO 9660 Level 1/Level 2 or Joliet, and DATA DVDs of Universal Disk Format (UDF). Refer to the instructions supplied with the disc drives and the recording software (not supplied) for details on the recording format.

About playback order of data on DATA CDs or DATA DVDs

See "Playback order of MP3 audio tracks or JPEG image files" (page 59). Note that the playback order may not be applicable, depending on the software used for creating the DivX video file, or if there are more than 200 albums and 600 DivX video files in each album.

Note

The system may not be able to play some DATA CDs/DATA DVDs created in the Packet Write format.

Continued

DivX video files that the system can play

The system can play data that is recorded in DivX format, and which has the extension ".AVI," or ".DIVX." The system will not play files with the extension ".AVI" or ".DIVX" if they do not contain a DivX video.

Tip

For details about playable MP3 audio tracks or JPEG image files on DATA CDs/DATA DVDs, see "MP3 audio track or JPEG image file that the system can play" (page 59).

Notes

- The system may not play a DivX video file when the file has been combined from two or more DivX video files.
- The system cannot play a DivX video file of size more than 720 (width) × 576 (height) or 2GB.
- The system cannot play some DivX video files that are longer than 3 hours.
- Depending on the DivX video file, the picture may pause or be unclear. In which case, it is recommended that you create the file at a lower bit rate. If the sound is still noisy, MP3 is the recommended audio format. Note, however, this system does not conform to WMA (Windows Media Audio) format.
- Because of the compression technology used for DivX video files, it may take some time after you press ▷ for the picture to appear.

Selecting an album

1 Press DVD MENU.

A list of albums on the disc appears. Only albums that contain DivX video files are listed.

2 Press ↑/↓ to select the album you want to play.

3 Press ▷.

The system starts playing the selected album.
To select DivX video files, see "Selecting a DivX video file" (page 50).

To go to the next or previous page

Press ←/→.

To turn off the display

Press DVD MENU repeatedly.

To stop playback

Press ■.

Selecting a DivX video file

1 After step 2 of "Selecting an album," press ⊕ (ENTER).

The list of files in the album appears.

2 Press ↑/↓ to select a file and press ⊕ (ENTER).

The selected file starts playing.

To go to the next or previous page

Press ←/→.

To return to the previous display

Press ↩ RETURN.

To stop playback

Press ■.

To play the next or previous DivX video file without turning on the above file list

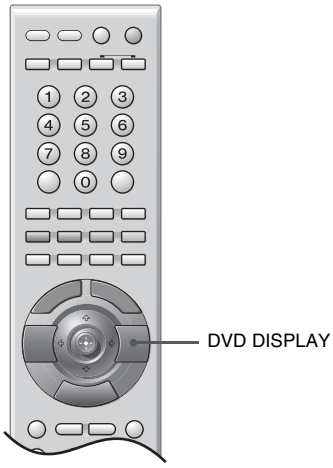
You can select the next or previous DivX video file in the same album by pressing ⏮/⏭. You can also select the first file of the next album by pressing ⏭ during playback of the last file of the current album. Note that you cannot return to the previous album by pressing ⏮. To return to the previous album, select it from the album list.

Tip

If the number of viewing times is preset, you can play the DivX video files as many times as the preset number. The following occurrences are counted:

- when the system is turned off.
- when the disc tray is opened.
- when another file is played.

Navigating through menus



Use the Control Menu to select a function and to view related information. Press DVD DISPLAY repeatedly to turn on or change the Control Menu display as follows:

Control Menu display 1
↓
Control Menu display 2 (appears for certain discs only)
↓
Control Menu display off

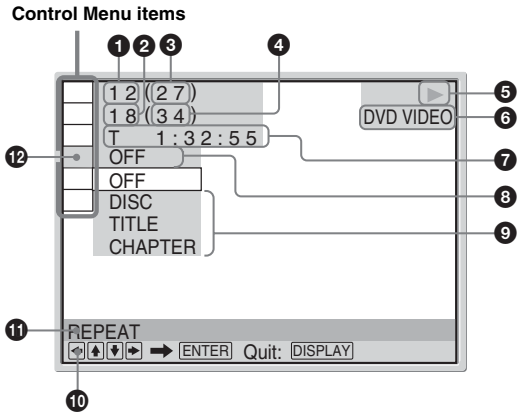
To turn off the display

Press DVD DISPLAY.

Overview of the menus

The Control Menu display 1 and 2 will show different items depending on the disc type. For details about each item, see the pages in parentheses.

Example: Control Menu display 1 when playing a DVD VIDEO.



❶ **Currently playing title number*1**
❷ **Currently playing chapter number*2**
❸ **Total number of titles*1**
❹ **Total number of chapters*2**
❺ **Playback status (► Playback, ❚❚ Pause, ■ Stop, etc.)**
❻ **Type of disc being played*3**
❼ **Playing time*4**
❽ **Current setting**
❾ **Options**
❿ **Operation message**
⓫ **Function name of selected Control Menu item**
⓬ **Selected item**

*1 Displays the scene number for VIDEO CDs (PBC is on), track number for VIDEO CDs/Super Audio CDs/CDs, album number for DATA CDs/DATA DVDs.

*2 Displays the index number for VIDEO CDs/Super Audio CDs, MP3 audio track number, or JPEG image file number for DATA CDs/DATA DVDs.

*3 Displays Super VCD as "SVCD." Displays "MP3" in the Control Menu display 1 or "JPEG" in the Control Menu 2 for DATA CDs/DATA DVDs.

*4 Displays the date for JPEG files.

Continued

List of Control Menu items

Item	Item Name, Function, Relevant Disc Type
	[TITLE] (page 53)/[SCENE] (page 53)/[TRACK] (page 53) Selects the title, scene, or track to be played. DVD-V DVD-VR VIDEO CD
	[CHAPTER] (page 53)/[INDEX] (page 53) Selects the chapter or index to be played. DVD-V DVD-VR VIDEO CD
	[INDEX] (page 53) Displays the index and selects the index to be played. SACD
	[TRACK] (page 53) Selects the track to be played. CD DATA CD DATA DVD SACD
	[ORIGINAL/PLAY LIST] (page 54) Selects the type of titles (DVD-R/DVD-RW) to be played, the [ORIGINAL] one, or an edited [PLAY LIST]. DVD-VR
	[TIME/TEXT] (page 53) Checks the elapsed time and the remaining playback time. Input the time code for picture and music searching. Displays the DVD/CD text or the MP3 track name. DVD-V DVD-VR VIDEO CD CD DATA CD DATA DVD SACD
	[PROGRAM] (page 56) Selects the track to play in the order you want. VIDEO CD CD SACD
	[SHUFFLE] (page 57) Plays the track in random order. VIDEO CD CD SACD
	[REPEAT] (page 58) Plays the entire disc (all titles/all tracks/all albums) repeatedly or one title/chapter/track/album repeatedly. DVD-V DVD-VR VIDEO CD CD DATA CD DATA DVD SACD
	[PARENTAL CONTROL] (page 63) Sets to prohibit playback on this system. DVD-V VIDEO CD CD SACD
	[SETUP] (page 65) [QUICK] Setup (page 19) Use Quick Setup to choose the desired DVD language. [CUSTOM] Setup In addition to the Quick Setup setting, you can adjust various other settings. [RESET] Returns the settings in [SETUP] to the default setting. DVD-V DVD-VR VIDEO CD CD DATA CD DATA DVD SACD
	[ALBUM] (page 53) Selects the album to be played. DATA CD DATA DVD
	[FILE] (page 53) Selects the JPEG image file and DivX video file to be played. DATA CD DATA DVD
	[DATE] (page 56) Displays the date when the picture was taken. DATA CD DATA DVD
	[INTERVAL] (page 62) Specifies the duration for which the slides are displayed on the screen. DATA CD DATA DVD
	[EFFECT] (page 62) Selects the effects to be used for changing slides during a slide show. DATA CD DATA DVD
	[MODE (MP3, JPEG)] (page 61) Selects the data type; MP3 audio track (AUDIO), JPEG image file (IMAGE) or both (AUTO) to be played when playing a DATA CD/DATA DVD. DATA CD DATA DVD

Tip

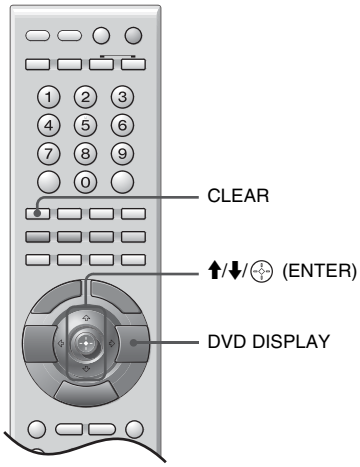
The Control Menu icon indicator lights up in green when you select any item except [OFF] ([PROGRAM], [SHUFFLE], [REPEAT] only). The [ORIGINAL/PLAY LIST] indicator lights up in green when you select [PLAY LIST] (default setting).

Searching/selecting the disc

Searching for a title/chapter/track/scene, etc.

DVD-V DVD-VR VIDEO CD SuperAudioCD CD DATA CD DATA DVD

You can search a DVD by title or chapter, and you can search a VIDEO CD/Super Audio CD/CD/DATA CD/DATA DVD by track, index, or scene. As titles and tracks are assigned unique numbers on the disc, you can select the desired one by entering its number. Or, you can search for a scene using the time code.



1 Press DVD DISPLAY. (When playing a DATA CD/DATA DVD with JPEG image files, press DVD DISPLAY twice.)
The Control Menu appears.

2 Press ↑/↓ to select the search method.

■ When playing a DVD VIDEO/DVD-R/DVD-RW
[TITLE]
[CHAPTER]
[TIME/TEXT]
Select [TIME/TEXT] to search for a starting point by inputting the time code.

■ When playing a VIDEO CD without PBC Playback
[TRACK]
[INDEX]

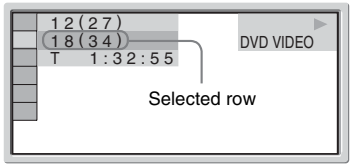
■ When playing a VIDEO CD with PBC Playback
[SCENE]

■ When playing a Super Audio CD
[TRACK]
[INDEX]

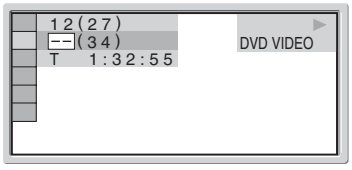
■ When playing a CD
[TRACK]

■ When playing a DATA CD/DATA DVD (MP3 audio)
[ALBUM]
[TRACK]

■ When playing a DATA CD/DATA DVD (JPEG file/DivX video)
[ALBUM]
[FILE]
Example: when you select [CHAPTER] [** (**)] is selected (** refers to a number). The number in parentheses indicates the total number of titles, chapters, tracks, indexes, scenes, albums or files.



3 Press ⊕ (ENTER).
[** (**)] changes to [– – (**)].



4 Press ↑/↓ or the number buttons to select the title, chapter, track, index, scene, etc., number you want to search for.

If you make a mistake
Cancel the number by pressing CLEAR, then select another number.

5 Press ⊕ (ENTER).
The system starts playback from the selected number.

To search for a scene using the time code (DVD VIDEO/DVD-R/DVD-RW only)

1 In step 2, select [TIME/TEXT].
[T **:**:**] (playing time of the current title) is selected.

Continued

2 Press ⊕ (ENTER).
[T **:**:**] changes to [T --:--:--].

3 Input the time code using the number buttons, then press ⊕ (ENTER).
For example, to find the scene at 2 hours, 10 minutes, and 20 seconds after the beginning, just enter [2:10:20].

Tip

When the Control Menu display is turned off, you can search for a chapter (DVD VIDEO/DVD-R/DVD-RW), track (Super Audio CD/CD), or file (DATA CD/DATA DVD (DivX video)) by pressing the number buttons and ⊕ (ENTER).

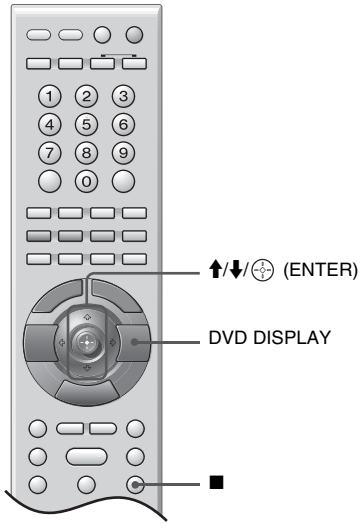
Note

You cannot search for a scene on a DVD+R/DVD+RW using the time code.

Selecting [ORIGINAL] or [PLAY LIST] on a DVD-R/DVD-RW

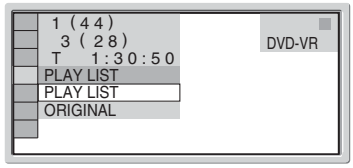
DVD-VR

Some DVD-Rs/DVD-RWs in VR (Video Recording) mode have two types of titles for playback: originally recorded titles ([ORIGINAL]) and titles that can be created on recordable DVD players for editing ([PLAY LIST]). You can select the type of title to be played.



1 Press DVD DISPLAY. (If a disc is playing, press ■ to stop playback, then press DVD DISPLAY.)
The Control Menu appears.

2 Press ↑/↓ to select [ORIGINAL/PLAY LIST], then press ⊕ (ENTER).
The options for [ORIGINAL/PLAY LIST] appear.

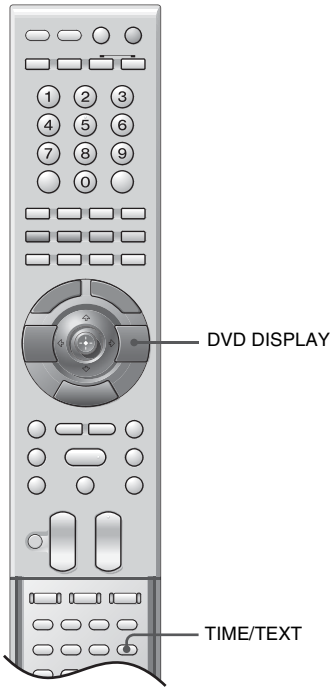


3 Press ↑/↓ to select a setting.
- [PLAY LIST]: Plays the titles created from [ORIGINAL] for editing.
- [ORIGINAL]: Plays the titles originally recorded.

4 Press ⊕ (ENTER).

Viewing information about the disc

DVD-V DVD-VR VIDEO CD SuperAudioCD CD DATA CD DATA DVD



Viewing the playing time and remaining time in the front panel display

You can check disc information, such as the remaining time, total number of titles in a DVD, tracks in a VIDEO CD, Super Audio CD, CD, or MP3, file name of a DivX video using the front panel display (page 69).

Press TIME/TEXT.

Each time you press TIME/TEXT while playing the disc, the display changes ① → ② → ... → ① → ...

When playing a DATA CD/DATA DVD (DivX video)

① Playing time of the current file
② Current file name
③ Current album and file number

When playing a DVD VIDEO or DVD-R/DVD-RW

① Playing time and number of the current title
② Remaining time of the current title
③ Playing time and number of the current chapter
④ Remaining time of the current chapter
⑤ Disc name
⑥ Title and chapter

When playing a VIDEO CD (without PBC functions), Super Audio CD, or CD

① Playing time of the current track
② Remaining time of the current track
③ Playing time of the disc
④ Remaining time of the disc
⑤ Disc name
⑥ Track and index*

* Except for CD.

When playing an MP3

① Playing time and current track number
② Track (file) name

Notes

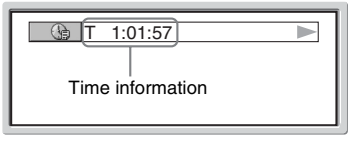
- The system can only display the first level of the DVD/CD text, such as the Disc name or title.
- If an MP3 file name cannot be displayed, "*" will appear in the front panel display instead.
- The disc name or track name may not be displayed depending on the text.
- Playing time of MP3 audio tracks and DivX video files may not be displayed correctly.

Checking the playing time and remaining time

You can check the playing time and remaining time of the current title, chapter, or track, and the total playing time or remaining time of the disc. You can also check the DVD text and MP3 folder name/file name recorded on the disc.

1 Press TIME/TEXT during playback.

The following display appears.



2 Press TIME/TEXT repeatedly to change the time information.

The display and the kinds of time that you can check depend on the disc you are playing.

■ When playing a DVD VIDEO or DVD-R/DVD-RW

- T **:**:**
  Playing time of the current title
- T–**:**:**
  Remaining time of the current title
- C **:**:**
  Playing time of the current chapter
- C–**:**:**
  Remaining time of the current chapter

■ When playing a VIDEO CD (with PBC functions)

- **:**
  Playing time of the current scene

■ When playing a VIDEO CD (without PBC functions), Super Audio CD, or CD

- T **:**
  Playing time of the current track
- T–**:**
  Remaining time of the current track
- D **:**
  Playing time of the current disc
- D–**:**
  Remaining time of the current disc

■ When playing a DATA CD/DATA DVD (MP3 audio)

- T **:**
  Playing time of the current track

■ When playing a DATA CD/DATA DVD (DivX video)

- **:**:**
  Playing time of the current file

Notes

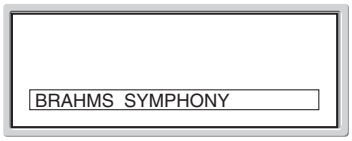
- Only alphabetical letters and numbers can be displayed.
- Depending on the type of disc being played, the system can only display a limited number of characters. Also, depending on the disc, not all text characters will be displayed.

Checking the play information of the disc

To check DVD/Super Audio CD/CD text

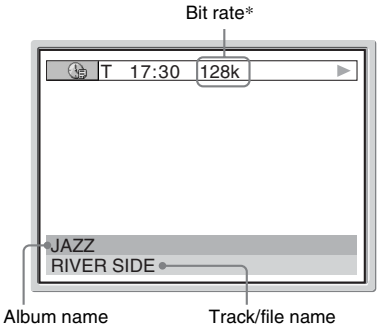
Press TIME/TEXT repeatedly in step 2 to display text recorded on the DVD/Super Audio CD/CD.
The DVD/Super Audio CD/CD text appears only when text is recorded in the disc. You cannot change the text. If the disc does not contain text, "NO TEXT" appears.

Continued



To check DATA CD/DATA DVD (MP3 audio/DivX video) text

By pressing TIME/TEXT while playing MP3 audio tracks on a DATA CD/DATA DVD or DivX video files on a DATA CD/DATA DVD, you can display the name of the album/track/file, and the audio bit rate (the amount of data per second of the current audio) on the TV screen.



* Appears when:

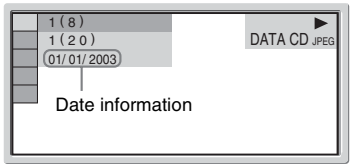
– playing an MP3 audio track on DATA CDs/DATA DVDs.
– playing a DivX video file that contains MP3 audio signals on DATA CDs/DATA DVDs.

Checking the date information (JPEG only)

You can check the date information during playback when the Exif* tag is recorded in the JPEG image data.

Press DVD DISPLAY twice during playback.

The Control Menu appears.



* "Exchangeable Image File Format" is a digital camera image format defined by the Japan Electronics and Information Technology Industries Association (JEITA).

Tip

Date information is [DD/MM/YYYY].
DD: Day
MM: Month
YYYY: Year

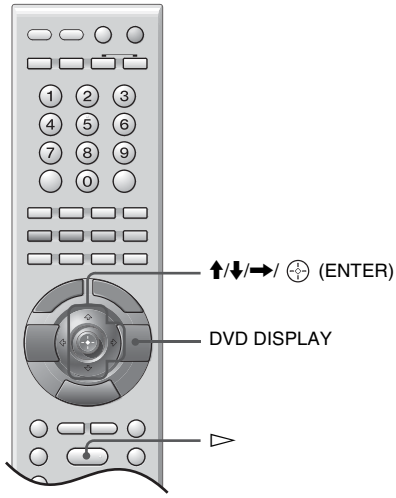
Using the play mode

Creating your own programme

(Programme Play)

VIDEO CD Super Audio CD CD

You can play the contents of a disc in the order you want by arranging the order of the tracks on the disc to create your own programme. You can programme up to 99 tracks.

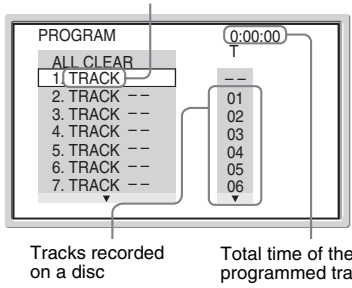


1 Press DVD DISPLAY.
The Control Menu appears.

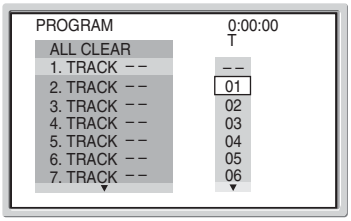
2 Press ↑/↓ to select [PROGRAM], then press ⊕ (ENTER).
The options for [PROGRAM] appear.

3 Press ↑/↓ to select [SET →], then press ⊕ (ENTER).

[TRACK] is displayed when you play a VIDEO CD, Super Audio CD, or CD.

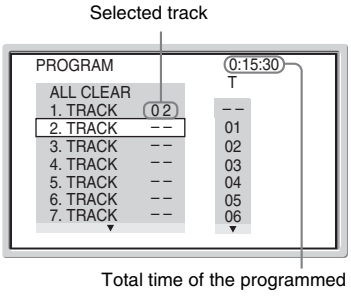


4 Press →.
The cursor moves to the track row [T] (in this case, [01]).



5 Select the track you want to programme.

For example, select track [02].
Press ↑/↓ to select [02] under [T], then press ⊕ (ENTER). The track number may be displayed in 3 digits for a Super Audio CD.



6 To programme other tracks, repeat steps 4 to 5.

The programmed tracks are displayed in the selected order.

7 Press ▷ to start Programme Play.

Programme Play starts.
"PGM" appears in the front panel display.
When the programme ends, you can restart the same programme again by pressing ▷.

To return to normal play

Press CLEAR, or select [OFF] in step 3. To play the same programme again, select [ON] in step 3 and press ⊕ (ENTER).

To turn off the Control Menu

Press DVD DISPLAY repeatedly until the Control Menu is turned off.

To change or cancel a programme

1 Follow steps 1 to 3 of "Creating your own programme."

2 Select the programme number of the track you want to change or cancel using ↑/↓. If you want to delete the track from the programme, press CLEAR.

3 Follow step 5 for new programming. To cancel a programme, select [--] under [T], then press ⊕ (ENTER).

To cancel all of the tracks in the programmed order

1 Follow steps 1 to 3 of "Creating your own programme."

2 Press ↑ and select [ALL CLEAR].

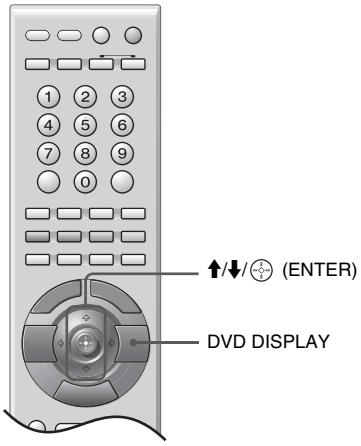
3 Press ⊕ (ENTER).

Playing in random order

(Shuffle Play)

VIDEO CD Super Audio CD CD

You can have the system "shuffle" tracks. Subsequent "shuffling" may produce a different playing order.



1 Press DVD DISPLAY during playback.

The Control Menu appears.

2 Press ↑/↓ to select [SHUFFLE], then press ⊕ (ENTER).

The options for [SHUFFLE] appear.

3 Press ↑/↓ to select the item to be shuffled.

■ When playing a VIDEO CD, Super Audio CD, or CD

• [TRACK]: Shuffles tracks on the disc.

■ When Programme Play is activated

• [ON]: Shuffles tracks selected in Programme Play.

Continued

4 Press ⊕ (ENTER).

Shuffle Play starts.
"SHUF" appears in the front panel display.

To return to normal play

Press CLEAR, or select [OFF] in step 3.

To turn off the Control Menu

Press DVD DISPLAY repeatedly until the Control Menu is turned off.

Tip

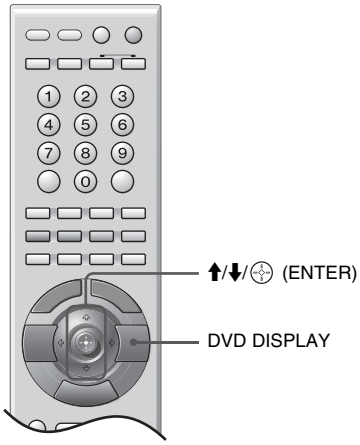
You can set Shuffle Play while the system is stopped.

Playing repeatedly

(Repeat Play)

DVD-V DVD-VR VIDEO CD SuperAudioCD CD DATA CD DATA DVD

You can play all of the titles, tracks or albums on a disc or a single title, chapter, track, or album repeatedly.
You can use a combination of Shuffle or Programme Play modes.



1 Press DVD DISPLAY during playback.

The Control Menu appears.

2 Press ↑/↓ to select [REPEAT], then press ⊕ (ENTER).

The options for [REPEAT] appear.

3 Press ↑/↓ to select the item to be repeated.

The default setting is [OFF]. The system does not play repeatedly when [OFF] is selected.

■ When playing a DVD VIDEO or DVD-R/DVD-RW

- [OFF]: Does not play repeatedly.
- [DISC]: Repeats all of the titles on the disc.
- [TITLE]: Repeats the current title on a disc.
- [CHAPTER]: Repeats the current chapter.

■ When playing a VIDEO CD, Super Audio CD, or CD

- [OFF]: Does not play repeatedly.
- [DISC]: Repeats all of the tracks on the disc.
- [TRACK]: Repeats the current track.

■ When playing a DATA CD or DATA DVD

- [OFF]: Does not play repeatedly.
- [DISC]: Repeats all of the albums on the disc.
- [ALBUM]: Repeats the current album.
- [TRACK] (MP3 audio tracks only): Repeats the current track.
- [FILE] (DivX video files only): Repeats the current file.

4 Press ⊕ (ENTER).

The item is selected.
To return to normal play, press CLEAR, or select [OFF] in step 3.

To turn off the Control Menu

Press DVD DISPLAY repeatedly until the Control Menu is turned off.

Note

When [MODE (MP3, JPEG)] is set to [IMAGE (JPEG)] (page 61), you cannot select [TRACK].

Tip

Depending on the repeat type you set, indication in the front panel display may differ:

– "REP": Repeat all titles, tracks, or albums on a disc.
– "REP1": Repeat single title, chapter or album on a disc.

Enjoying the slide show

About MP3 audio tracks and JPEG image files

What is MP3/JPEG?

MP3 is audio compression technology that satisfies the ISO/MPEG regulations. JPEG is image compression technology.

Discs that the system can play

You can play back DATA CDs (CD-ROMs/CD-Rs/CD-RWs) or DATA DVDs (DVD-ROMs/DVD-Rs/DVD-RWs/DVD+Rs/DVD+RWs) recorded in MP3 (MPEG1 Audio Layer 3) and JPEG format. However, the DATA CDs must be recorded according to ISO 9660 Level 1, Level 2 or Joliet format and DATA DVDs of Universal Disk Format for the system to recognize the tracks (or files). You can also play discs recorded in Multi Session*.
See the instructions supplied with the CD-Rs/CD-RWs or DVD-Rs/DVD-RWs/DVD+Rs/DVD+RWs drives and the recording software (not supplied) for details on the recording format.

* About the multi-session disc: If MP3 audio tracks or JPEG image files are recorded in the first session, the system will also play MP3 audio tracks or JPEG image files in other sessions. If audio tracks and images in audio CD format or video CD format are recorded in the first session, only the first session will be played back.

Note

The system may not be able to play some DATA CDs/DATA DVDs created in the Packet Write format.

MP3 audio track or JPEG image file that the system can play

The system can play the MP3 audio tracks or JPEG image files:

- which have the extension ".MP3" (MP3 audio track) or ".JPG"/".JPEG" (JPEG image file)
- which conform to the DCF* image file format

* "Design rule for Camera File system": Image standards for digital cameras regulated by Japan Electronics and Information Technology Industries Association (JEITA).

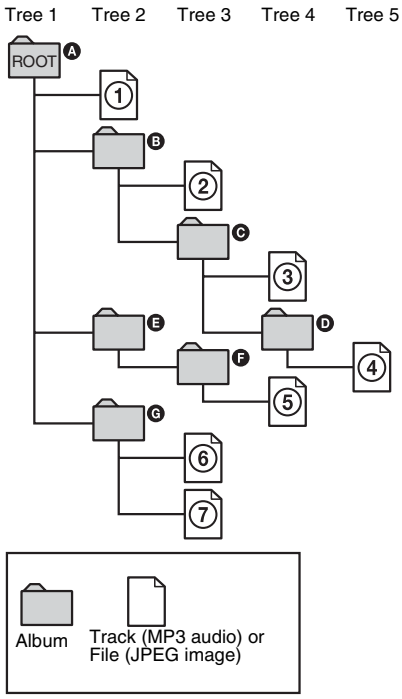
Notes

- The system will play any data with the extension ".MP3," ".JPG," or ".JPEG" even if they are not in MP3 or JPEG format. Playing this data may generate a loud noise which could damage your speaker system.
- The system does not conform to audio in MP3PRO format.

Playback order of MP3 audio tracks or JPEG image files

The playback order of MP3 audio tracks or JPEG image files recorded on a DATA CD/DATA DVD is as follows:

Structure of disc contents



When you insert a DATA CD/DATA DVD and press ▷, the numbered tracks (or files) are played sequentially, from ① through ⑦. Any sub-albums/tracks (or files) contained within a currently selected album take priority over the next album in the same tree. (Example: ❸ contains ❹ so ④ is played before ⑤.)

When you press DVD MENU and the list of album names appears (page 60), the album names are arranged in alphabetical order (❶ → ❷ → ❸ → ❹ → ❺ → ❻). Albums that do not contain tracks (or files) (such as album ❷) do not appear in the list.

Tips

- If you add numbers (01, 02, 03, etc.) to the front of the track/file names when you store the tracks (or files) in a disc, the tracks and files will be played in that order.
- If a disc consists of many trees, it takes longer to start playback.

Notes

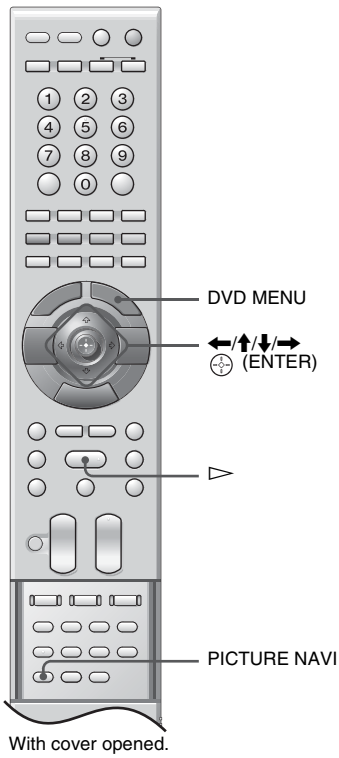
- Playback order may differ from the illustration depending on the software you use to create the DATA CD/DATA DVD, or if there are more than 200 albums and 300 files in each album.
- The system can recognize up to 200 albums, and will not play any albums beyond the 200th.

Continued

- The system may take longer time to playback, when progressing to the following album or jump to other album.
- Some type of JPEG files cannot be played.

Playing DATA CDs or DATA DVDs with MP3 audio track and JPEG image files

DATA CD DATA DVD



With cover opened.

Selecting an MP3 audio track or album

1 Load a DATA CD or DATA DVD.

The system starts playing from the first album.

2 Press DVD MENU.

The albums recorded on the DATA CD or DATA DVD appear. When an album is being played, its title is shaded.

3 Press ↑/↓ to select an album.

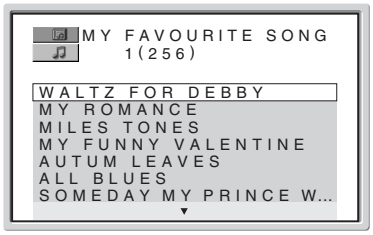
■ **When selecting an album**

Press ▷ to start playing the selected album.

■ **When selecting a track**

Press ⊕ (ENTER).

A list of the tracks contained in the album appears.



Press ↑/↓ to select a track, then press ⊕ (ENTER).

The selected track starts playing. You can turn the track list off by pressing DVD MENU. Pressing DVD MENU again will display the album list.

To play the next or previous MP3 audio track

Press ⏮/⏭. Note that you can select the next album by continuing to press ⏭ after the last track on the first album, but that you cannot return to the previous album by pressing ⏮. To return to the previous album, select the album from the album list.

To return to the previous display

Press ↩ RETURN.

To stop playback

Press ■.

To turn off the display

Press DVD MENU.

Selecting a JPEG image file or album

1 Load a DATA CD or DATA DVD.

The system starts playing from the first album.

2 Press DVD MENU.

The albums recorded on the DATA CD or DATA DVD appear. When an album is being played, its title is shaded.

3 Press ↑/↓ to select an album.

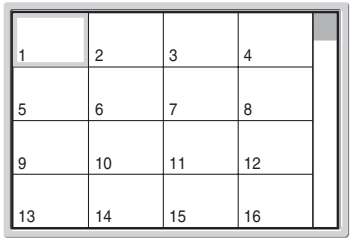
■ **When selecting an album**

Press ▷ to start playing the selected album.

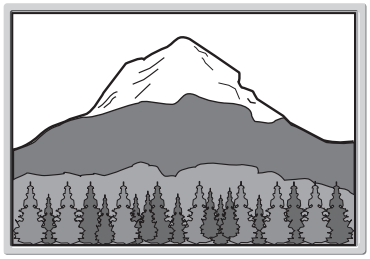
■ **When selecting an image**

Press PICTURE NAVI.

Thumbnail images in the album appear in 16 subscreens.



Press ←/↑/↓/→ to select the image, then press ⊕ (ENTER).

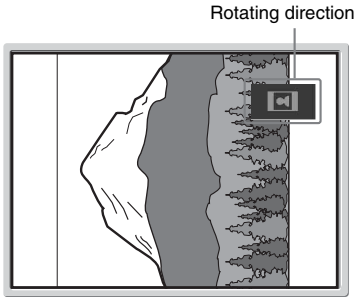


To play the next or previous JPEG image file

Press ←/→ when the Control Menu is not displayed. Note that you can select the next album by continuing to press → after the last image on the first album, but that you cannot return to the previous album by pressing ←. To return to the previous album, select the album from the album list.

To rotate a JPEG image

When a JPEG image file is displayed on the screen, you can rotate the image by 90 degrees.
Press ↑/↓ while viewing an image. Each time you press ↑, the image rotates counterclockwise by 90 degrees.
Example of when you press ↑ once:



Press CLEAR to return to normal view.

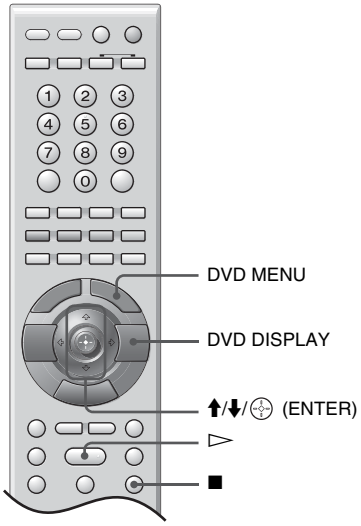
To stop playback

Press ■.

Playing audio tracks and images as a slide show with sound

DATA CD DATA DVD

You can play a slide show with sound by first placing both MP3 and JPEG files in the same album on a DATA CD or DATA DVD. When you play back the DATA CD or DATA DVD, select [AUTO] mode as explained below.



1 Load a DATA CD or DATA DVD.

The system starts playing from the first album.

2 Press ■.

The system stops playback.

3 Press DVD DISPLAY.

The Control Menu appears.

Continued

4 Press ↑/↓ to select [MODE (MP3, JPEG)], then press ⊕ (ENTER).

The options for [MODE (MP3, JPEG)] appear.

5 Press ↑/↓ to select the setting you want and press ⊕ (ENTER).

- [AUTO]: Plays both the JPEG image files and MP3 audio tracks in the same album as a slide show.
- [AUDIO (MP3)]: Plays only MP3 audio tracks continuously.
- [IMAGE (JPEG)]: Plays only JPEG image files as a slide show.

6 Press DVD MENU.

The list of albums recorded on the DATA CD or DATA DVD appears.

7 Press ↑/↓ to select the album you want and press →.

The system starts playing the selected album. You can turn the album list on and off by pressing DVD MENU repeatedly.

Tip

When you select [AUTO], the system can recognize up to 300 MP3 tracks and 300 JPEG files in a single album. When you select [AUDIO (MP3)] or [IMAGE (JPEG)], the system can recognize up to 600 MP3 and 600 JPEG files in a single album. A maximum of 200 albums can be recognized regardless of the selected mode.

Notes

- You cannot playback JPEG files and MP3 tracks at the same time if they are not contained in the same album.
- PICTURE NAVI does not work when [AUDIO (MP3)] is selected.
- If you play large MP3 track data and JPEG image data at the same time, the sound may skip. It is recommended that you set the MP3 bit rate to 128 kbps or lower when creating the file. If the sound still skips, then reduce the size of the JPEG file.

Specifying the slide show duration (DATA CD/DATA DVD only)

When you play JPEG image files using slide show, you can specify the duration for slides to appear on the screen.

1 Press DVD DISPLAY twice.

The Control Menu for JPEG appears.

2 Press ↑/↓ to select [INTERVAL], then press ⊕ (ENTER).

The options for [INTERVAL] appear.

3 Press ↑/↓ to select the setting you want.

- [NORMAL]: Sets the duration to about 6 to 9 seconds.
- [FAST]: Sets the duration shorter than [NORMAL].
- [SLOW1]: Sets the duration longer than [NORMAL].
- [SLOW2]: Sets the duration longer than [SLOW1].

4 Press ⊕ (ENTER).

The selected setting takes effect.

Note

Some JPEG files may take longer to display than others, which may make the duration seems longer that the option you selected. Especially progressive JPEG files or JPEG files of 3,000,000 pixels or more.

Selecting an effect for image files in the slide show (DATA CD/DATA DVD only)

When you play a JPEG image file, you can select the effect to be used when viewing the slide show.

1 Press DVD DISPLAY twice.

The Control Menu for JPEG appears.

2 Press ↑/↓ to select [EFFECT], then press ⊕ (ENTER).

The options for [EFFECT] appear.

3 Press ↑/↓ to select the setting you want.

- [MODE1]: The image sweeps in from top to bottom.
- [MODE2]: The image stretches out from left to right of the screen.
- [MODE3]: The image stretches out from the centre of the screen.
- [MODE4]: The images randomly cycle through the effects.
- [MODE5]: The next image slides over the previous image.
- [OFF]: Turns off this function.

4 Press ⊕ (ENTER).

The selected setting takes effect.

Locking discs

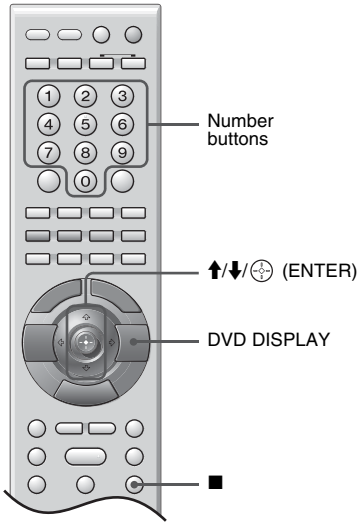
(CUSTOM PARENTAL CONTROL, PARENTAL CONTROL)

DVD-V VIDEO CD SuperAudioCD CD

You can set 2 kinds of playback restrictions for the desired disc.

- Custom Parental Control
  You can set playback restrictions so that the system will not play inappropriate discs.
- Parental Control
  Playback of some DVD VIDEOs can be limited according to a predetermined level such as the age of the users. Scenes may be blocked or replaced with different scenes.

The same password is used for both Custom Parental Control and Parental Control.



Preventing playback of specific discs [CUSTOM PARENTAL CONTROL]

You can set the same Custom Parental Control password for up to 40 discs. When you set the 41st-disc, the first disc is cancelled.

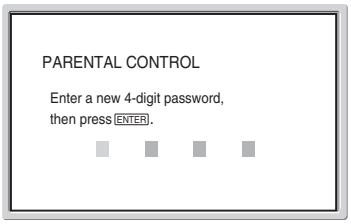
1 Insert the disc you want to lock.
If the disc is playing, press ■ to stop playback.

2 Press DVD DISPLAY.
The Control Menu appears.

3 Press ↑/↓ to select [PARENTAL CONTROL], then press ⊕ (ENTER).
The options for [PARENTAL CONTROL] appear.

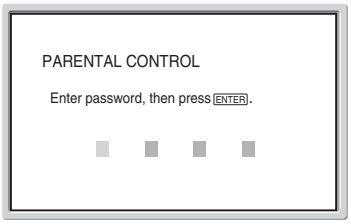
4 Press ↑/↓ to select [ON →], then press ⊕ (ENTER).

■ If you have not entered a password
The display for registering a new password appears.



Enter a 4-digit password using the number buttons, then press ⊕ (ENTER).
The display for confirming the password appears.

■ When you have already registered a password
The display for entering the password appears.



5 Enter or re-enter your 4-digit password using the number buttons, then press ⊕ (ENTER).
[Custom parental control is set.] appears and the screen returns to the Control Menu.

To turn off the Custom Parental Control function

1 Follow steps 1 through 3 of "Preventing playback of specific discs [CUSTOM PARENTAL CONTROL]."

2 Press ↑/↓ to select [OFF →], then press ⊕ (ENTER).

3 Enter your 4-digit password using the number buttons, then press ⊕ (ENTER).

To play a disc for which Custom Parental Control is set

1 Insert the disc for which Custom Parental Control is set.
The [CUSTOM PARENTAL CONTROL] display appears.

Continued

2 Enter your 4-digit password using the number buttons, then press ⊕ (ENTER).

The system is ready for playback.

Tip

If you forget your password, enter the 6-digit number "199703" using the number buttons when the [CUSTOM PARENTAL CONTROL] display asks you for your password, then press ⊕ (ENTER). The display will ask you to enter a new 4-digit password.

Limiting playback for children [PARENTAL CONTROL] (DVD VIDEO only)

Playback of some DVD VIDEOs can be limited according to a predetermined level such as the age of the users. The [PARENTAL CONTROL] function allows you to set a playback limitation level.

1 Press DVD DISPLAY. (If a disc is playing, press ■ to stop playback, then press DVD DISPLAY.)

The Control Menu appears.

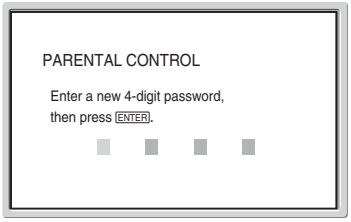
2 Press ↑/↓ to select [PARENTAL CONTROL], then press ⊕ (ENTER).

The options for [PARENTAL CONTROL] appear.

3 Press ↑/↓ to select [PLAYER →], then press ⊕ (ENTER).

■ If you have not entered a password

The display for registering a new password appears.

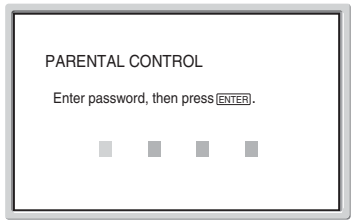


Enter a 4-digit password using the number buttons, then press ⊕ (ENTER).

The display for confirming the password appears.

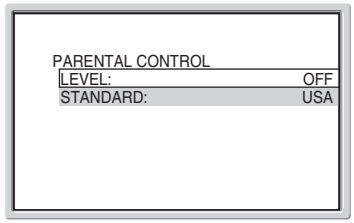
■ When you have already registered a password

The display for entering the password appears.



4 Enter or re-enter your 4-digit password using the number buttons, then press ⊕ (ENTER).

The display for setting the playback limitation level appears.



5 Press ↑/↓ to select [STANDARD], then press ⊕ (ENTER).

The selection items for [STANDARD] are displayed.

6 Press ↑/↓ to select a geographic area as the playback limitation level, then press ⊕ (ENTER).

The area is selected.

When you select [OTHERS →], select and enter a standard code in the table on page 78 using the number buttons.

7 Press ↑/↓ to select [LEVEL], then press ⊕ (ENTER).

The selection items for [LEVEL] are displayed.

8 Press ↑/↓ to select the level you want, then press ⊕ (ENTER).

Parental Control setting is complete.

The lower the value, the stricter the limitation.

To turn off the Parental Control function

Set [LEVEL] to [OFF] in step 8.

To play a disc for which Parental Control is set

1 Insert the disc and press ▷.

The display for entering your password appears.

2 Enter your 4-digit password using the number buttons, then press ⊕ (ENTER).

The system starts playback.

Tip

If you forget your password, remove the disc and repeat steps 1 to 3 of "Preventing playback of specific discs [CUSTOM PARENTAL CONTROL]." When you are asked to enter your password, enter "199703" using the number buttons, then press ⊕ (ENTER). The display will ask you to enter a new 4-digit password. After you enter a new 4-digit password, replace the disc in the system and press ▷. When the display for entering your password appears, enter your new password.

Notes

- When you play discs which do not have the Parental Control function, playback cannot be limited on this system.
- Depending on the disc, you may be asked to change the parental control level while playing the disc. In this case, enter your password, then change the level. If the Resume Play mode is cancelled, the level returns to the previous level.

Changing the password

1 Press DVD DISPLAY. (If a disc is playing, press ■ to stop playback, then press DVD DISPLAY.)

The Control Menu appears.

2 Press ↑/↓ to select [PARENTAL CONTROL], then press ⊕ (ENTER).

The options for [PARENTAL CONTROL] appear.

3 Press ↑/↓ to select [PASSWORD →], then press ⊕ (ENTER).

The display for entering the password appears.

4 Enter your 4-digit password using the number buttons, then press ⊕ (ENTER).

5 Enter a new 4-digit password using the number buttons, then press ⊕ (ENTER).

6 To confirm your password, re-enter it using the number buttons, then press ⊕ (ENTER).

If you make a mistake entering your password

Press ← before you press ⊕ (ENTER) and input the correct number.

Using the Setup Display

By using the Setup Display, you can make various adjustments to items such as picture and sound.

Note

Playback settings stored in the disc take priority over the Setup Display settings and not all the functions described may work.

DVD Setup Display list

The order of the displayed items may be different from the actual display.

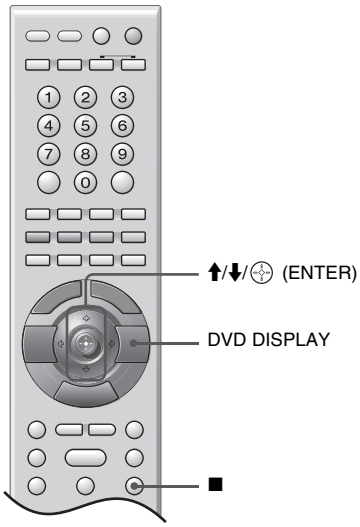
See page in parentheses for details of each menu.

LANGUAGE SETUP
- OSD (67)
- MENU (67)
- AUDIO (67)
- SUBTITLE (67)

SCREEN SETUP
- SCREEN SAVER (67)
- BACKGROUND (67)

CUSTOM SETUP
- PAUSE MODE (68)
- TRACK SELECTION (68)
- MULTI-DISC RESUME (68)
- DivX (68)

Continued

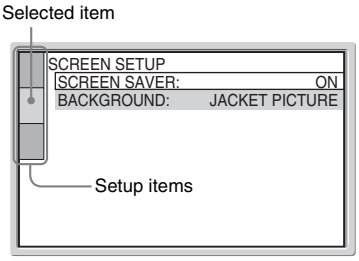


1 Press DVD DISPLAY. (If a disc is playing, press ■ to stop playback, then press DVD DISPLAY.)
The Control Menu appears.

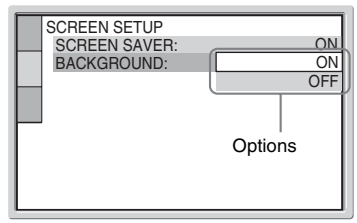
2 Press ↑/↓ to select [SETUP], then press ⊕ (ENTER).
The options for [SETUP] appear.

3 Press ↑/↓ to select [CUSTOM], then press ⊕ (ENTER).
The Setup Display appears.

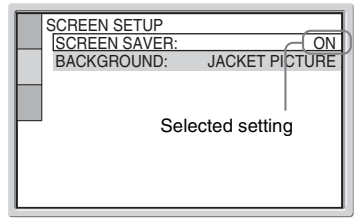
4 Press ↑/↓ to select the setup item from the displayed list: [LANGUAGE SETUP], [SCREEN SETUP], or [CUSTOM SETUP]. Then press ⊕ (ENTER).
The Setup item is selected.
Example: [SCREEN SETUP]



5 Select an item using ↑/↓, then press ⊕ (ENTER).
The options for the selected item appear.
Example: [SCREEN SAVER]



6 Select a setting using ↑/↓, then press ⊕ (ENTER).
The setting is selected and setup is complete.



To reset all of the [SETUP] settings

1 Select [RESET] in step 3 and press ⊕ (ENTER).

2 Select [YES] using ↑/↓.
You can also quit the process and return to the Control Menu by selecting [NO] here.

3 Press ⊕ (ENTER).
All the settings explained on pages 66 to 68 return to the default settings*. Do not press I/⏻ while resetting the system as it takes a few seconds to complete.

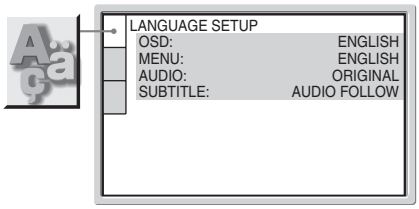
* Except for Parental Control settings.

Note
When you turn the system on after resetting, the guide message appears on the TV screen. To perform the Quick Setup (page 19), press ⊕ (ENTER), to return to normal screen, press CLEAR.

Setting the display or sound track language [LANGUAGE SETUP]

[LANGUAGE SETUP] allows you to set various languages for the on-screen display or sound track.

Select [LANGUAGE SETUP] in the Setup Display. To use the display, see "Using the Setup Display" (page 65).



■ [OSD] (On-Screen Display)
Switches the display language on the screen.

■ [MENU] (DVD VIDEO only)
You can select the desired language for the disc's menu.

■ [AUDIO] (DVD VIDEO only)
Switches the language of the sound track.
When you select [ORIGINAL], the language given priority in the disc is selected.

■ [SUBTITLE] (DVD VIDEO only)
Switches the language of the subtitle recorded on the DVD VIDEO.
When you select [AUDIO FOLLOW], the language for the subtitles changes according to the language you selected for the sound track.

Tip

If you select [OTHERS →] in [MENU], [AUDIO], and [SUBTITLE], select and enter a language code from "Language code list (DVD function only)" (page 78) using the number buttons.

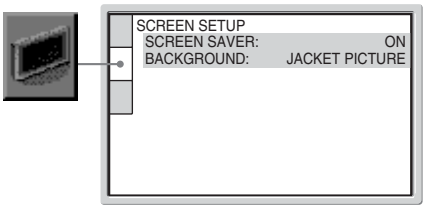
Note

When you select a language in [MENU], [AUDIO], or [SUBTITLE] that is not recorded on the DVD VIDEO, one of the recorded languages will be automatically selected (depending on the disc, the language may not be selected automatically).

Settings for the display
[SCREEN SETUP]

Choose the TV screen settings.

Select [SCREEN SETUP] in the Setup Display. To use the display, see "Using the Setup Display" (page 65).



■ [SCREEN SAVER]
The screen saver image appears when you leave the system in pause or stop mode for 15 minutes, or when you play back a Super Audio CD, CD, or DATA CD/ DATA DVD (MP3 audio) for more than 15 minutes. The screen saver will help prevent your display device from becoming damaged (ghosting). Press ▷ to turn off the screen saver.

[ON]	Turns on the screen saver.
[OFF]	Turns off the screen saver.

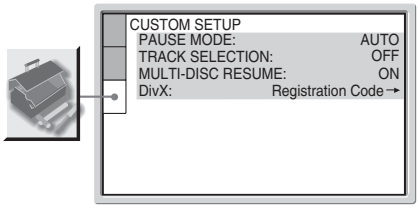
■ [BACKGROUND]
The background can be set/displayed during the following:
– When a DVD or Video CD, DATA CD/DATA DVD (JPEG files) are stopped.
– When a Super Audio CD, CD, or DATA CD/DATA DVD (MP3 audio) are played back or stopped.

[JACKET PICTURE]	The jacket picture (still picture) appears, but only when the jacket picture is already recorded on the disc (CD-EXTRA, etc.). If the disc does not contain a jacket picture, the [GRAPHICS] picture appears.
[GRAPHICS]	A preset picture stored in the system appears.
[BLUE]	The background colour is blue.
[BLACK]	The background colour is black.

Custom settings
[CUSTOM SETUP]

Use this to set up playback-related (and other) settings.

Select [CUSTOM SETUP] in the Setup Display. To use the display, see "Using the Setup Display" (page 65).



Continued

■ [PAUSE MODE] (DVD VIDEO/DVD-R/DVD-RW only)

Selects the picture in pause mode.

[AUTO]	The picture, including subjects that move dynamically, is output with no jitter. Normally select this position.
[FRAME]	The picture, including subjects that do not move dynamically, is output in high resolution.

■ [TRACK SELECTION] (DVD VIDEO only)

Gives the sound track which contains the highest number of channels priority when you play a DVD VIDEO on which multiple audio formats (PCM, DTS, MPEG audio, or Dolby Digital format) are recorded.

[OFF]	No priority given.
[AUTO]	Priority given.

Notes

- When you set the item to [AUTO], the language may change. The [TRACK SELECTION] setting has higher priority than the [AUDIO] settings in [LANGUAGE SETUP] (page 67). (Depending on the disc, this function may not work.)
- If PCM, DTS, Dolby Digital sound, and MPEG audio tracks have the same number of channels, the system selects PCM, DTS, Dolby Digital sound, and MPEG audio tracks in this order.

■ [MULTI-DISC RESUME] (DVD VIDEO/VIDEO CD only)

Switches the Multi-disc Resume setting on or off.

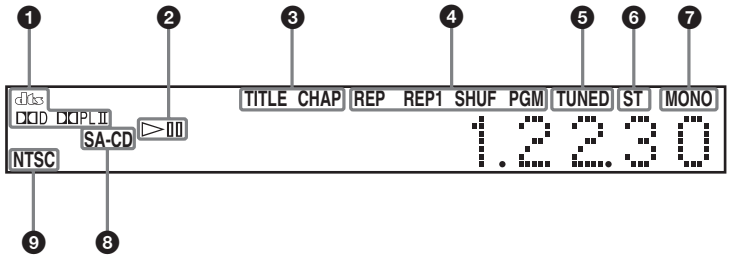
[ON]	Stores the resume settings in memory for up to 40 discs.
[OFF]	Does not store the resume settings in memory. Playback restarts at the resume point only for the current disc in the system.

■ [DivX]

Displays the registration code for this system.
For more information, go to http://www.divx.com on the Internet.

Overview of the items

About the indications in the lift unit/front panel display



❶ **Current surround format (Except for JPEG and Super Audio CD)**

❷ **Playing status (DVD function only)**

❸ **Lights up when the time information of a title or chapter appears in the front panel display. (DVD only)**

❹ **Current play mode**

❺ **Lights up when an FM radio station is tuned. (36)**

❻ **Lights up when an FM stereo broadcast is tuned. (36)**

❼ **Lights up when listening the FM radio in monaural effect. (35)**

❽ **Current disc type**

❾ **Lights up when playing NTSC discs (DVD function only).**

Adjusting the brightness of the display

Press DIMMER repeatedly to turn the display on or off while the system is on.

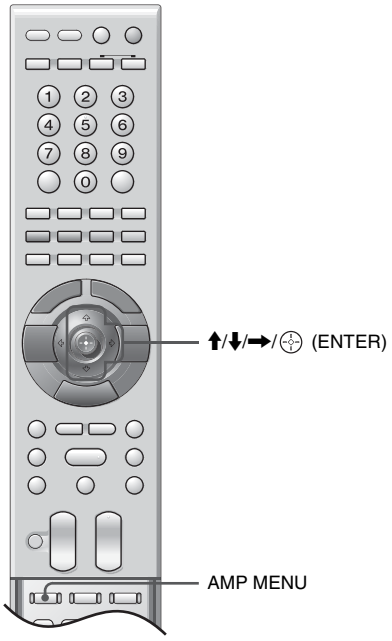
Each time you press the button, the display changes as follows:
DIMMER OFF (high brightness) ⟷ DIMMER ON (low brightness)

Continued

Enjoying the sound at low volume

(AUDIO DRC)

Narrows the dynamic range of a Dolby Digital sound track. Useful for watching movies at low volume late at night.



With cover opened.

1 Press AMP MENU.

2 Press ↑/↓ repeatedly until "AUDIO DRC" appears in the front panel display, then press ⊕ (ENTER) or →.

3 Press ↑/↓ to select the setting.

- "DRC OFF": No compression of dynamic range.
- "DRC STD": Reproduces the sound track with the kind of dynamic range that the recording engineer intended.
- "DRC MAX": Compresses dynamic range fully.

4 Press ⊕ (ENTER).

Note

AUDIO DRC only applies to Dolby Digital sources.

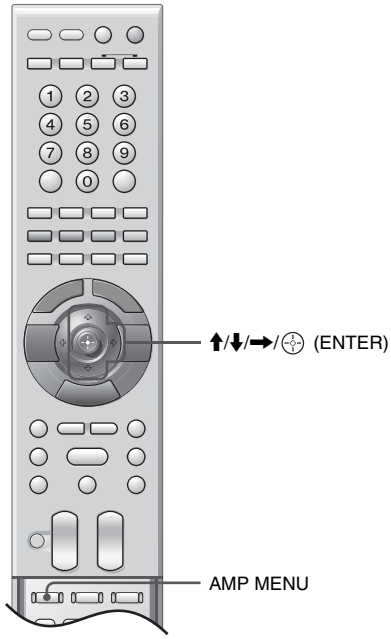
Enjoying a bilingual DVD disc

(DUAL MONO)

You can play bilingual broadcasts recorded on DVD-R/DVD-RWs in VR mode.

Note

This setting works for the DVD function only.



With cover opened.

1 Press AMP MENU.

2 Press ↑/↓ repeatedly until "DUAL MONO" appears in the front panel display, then press ⊕ (ENTER) or →.

3 Press ↑/↓ to select the sound you want.

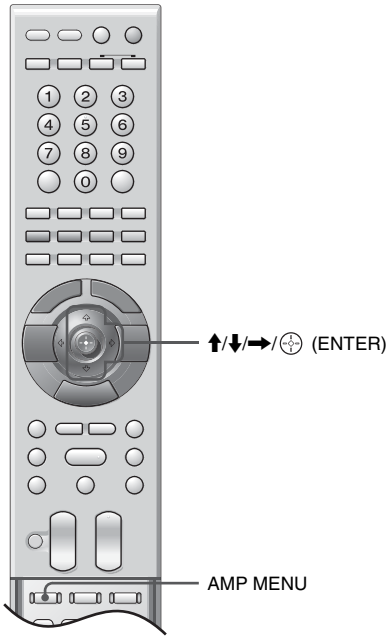
- "MAIN": Main sound is output from the left and right speakers.
- "SUB": Sub sound is output from the left and right speakers.
- "MAIN+SUB": Main sound and Sub sound are output from the left and right speakers.
- "MAIN/SUB": Main sound is output from the left speaker and Sub sound is output from the right speaker.

4 Press ⊕ (ENTER).

Reinforcing bass frequencies

(SW LEVEL)

You can reinforce bass frequencies on any source.



With cover opened.

1 Press AMP MENU.

2 Press ↑/↓ repeatedly until “SW LEVEL” appears in the front panel display, then press ⊕ (ENTER) or →.

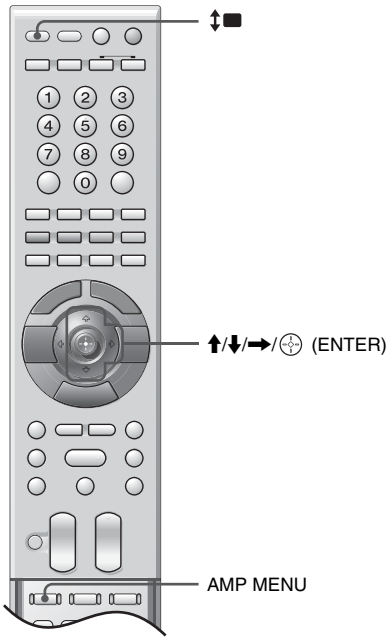
3 Press ↑/↓ to select the desired subwoofer level, then press ⊕ (ENTER).

The setting is selected and setup is complete.

Using the lift function

(Lift Mode)

The lift unit moves up and down by pressing ↕■ on the system or remote. The lift unit can also be moved automatically, according to the selected input or system power on/off when you select “AUTO” in “Lift Mode.”



With cover opened.

1 Press AMP MENU.

2 Press ↑/↓ repeatedly until “Lift Mode” appears in the front panel display, then press ⊕ (ENTER) or →.

3 Press ↑/↓ to select the desired lift mode, then press ⊕ (ENTER).

- “AUTO”: Lift unit can be set to move automatically according to a selected inputs or when the system is turned on/off. Also you can move it by pressing ↕■.
- “MANUAL”: Lift unit is moved by pressing ↕■.
- “LOCK”: Lift unit will not move, even if you press ↕■.

Continued

Notes

- If you change the lift mode setting, change it while the lift unit is not moving.
- The lift unit has a sensor in its top and bottom. If the sensor detects an obstacle, it stops moving. If this occurs, remove any obstacles, press I/⏻ or ⏻ on the system, and then press ↕■. The lift unit starts moving again.
- When you connect headphones, the lift unit will stop moving. And will not move even if you press ↕■ until you disconnect the headphones.
- When connecting other components to the system, make sure not to trap any cords in the lift unit.

Moving the lift unit automatically (AUTO)

The lift unit can be moved automatically, according to the selected input or system power on/off. See the table below.

Operation:	Direction
Turn off system	up
Turn on system (except FM function)	down
Turn on system (FM function)	up
FM function	up
Except FM function	down

Tip

Even in AUTO mode, you can move the lift unit up and down by pressing ↕■. The lift unit moves in the same way with the MANUAL mode.

Note

The lift unit will automatically move when the system is activated with “AUTO” set in “Lift Mode,” and in the following situations:

– [On Time] in [Timer]
– [Off Time] in [Timer]
– other than [Off] in [Sleep Timer]
– no signal from TV
– no input signal from a connected PC.

Moving the lift unit manually (MANUAL)

The lift unit can be moved manually by pressing ↕■ on the system or remote. The lift unit moves up or down accordingly. See the table below.

Status:	Press ↕■ to move
completely down	up
moving up	down
completely up	down
moving down	up

Note

When the lift unit is completely up, you cannot use OSD-related functions, and “NOT IN USE” appears in the front panel display. In this case, press ↕■ to move the lift unit down.

Locking the lift unit (LOCK)

The lift unit will not move, even if you press ↕■. It is recommended setting this mode if you have small children.

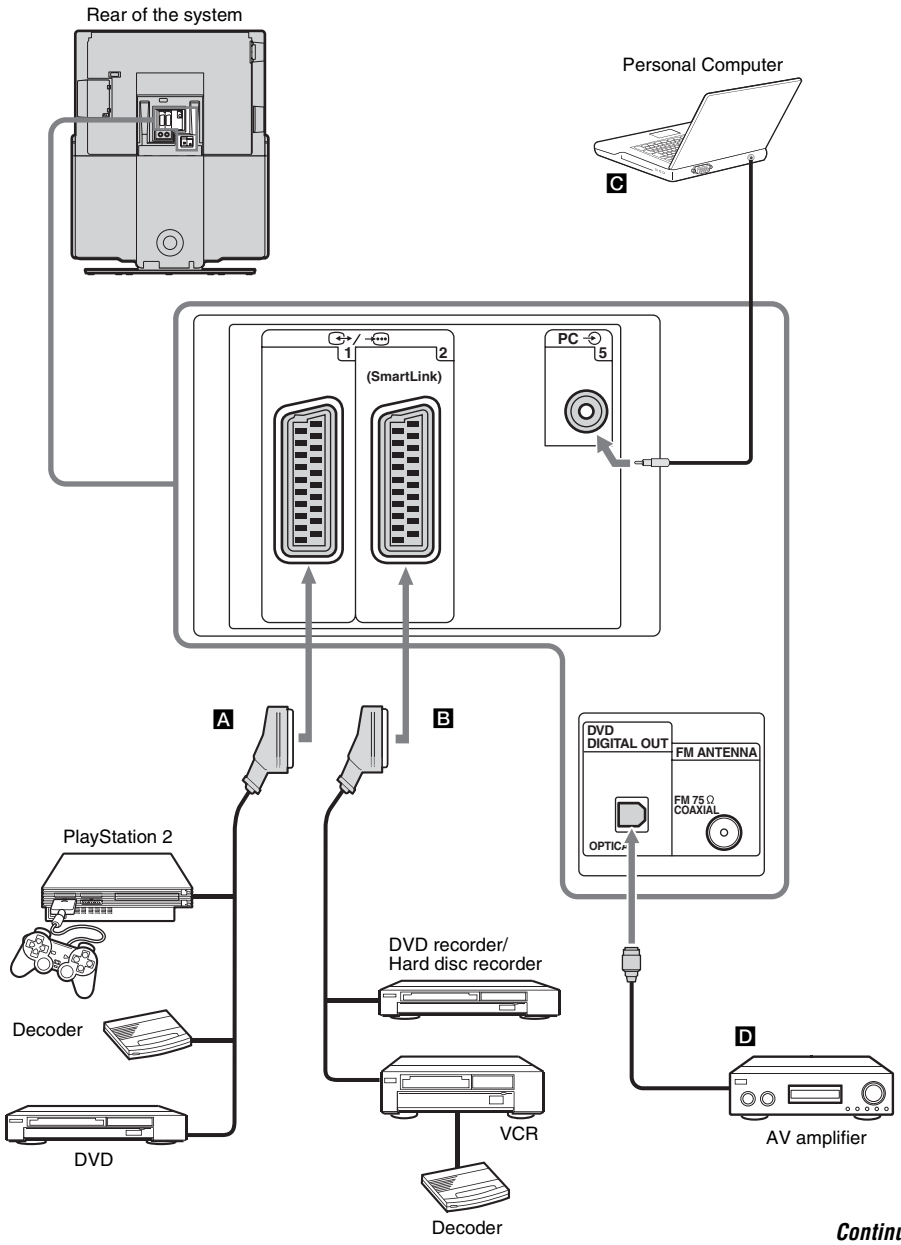
Connecting optional equipment

You can connect a wide range of optional equipment to the system. Connecting cables are not supplied.

Notes

- When connecting optional equipments, make sure not to trap any cords in the lift unit, or area where the unit moves.
- Do not connect any equipment while the lift unit is moving.
- Depending on the connected equipment cords, the back covers may not attach properly. In this case, try other cords, or use the system without the back covers.

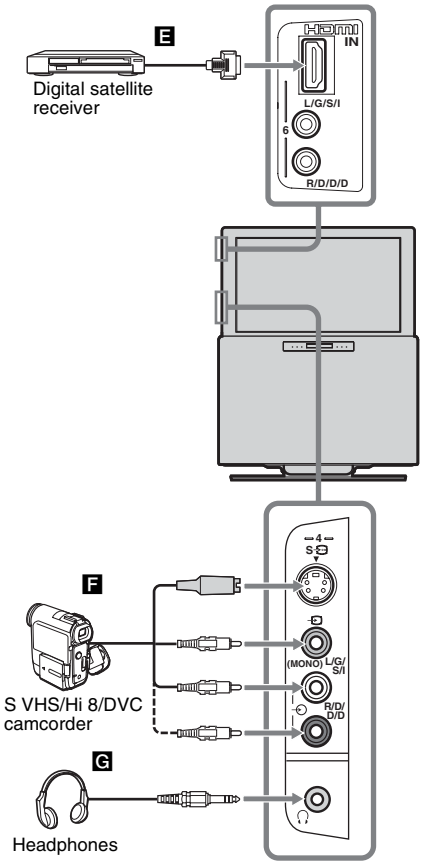
Connecting to the system (rear)



Continued

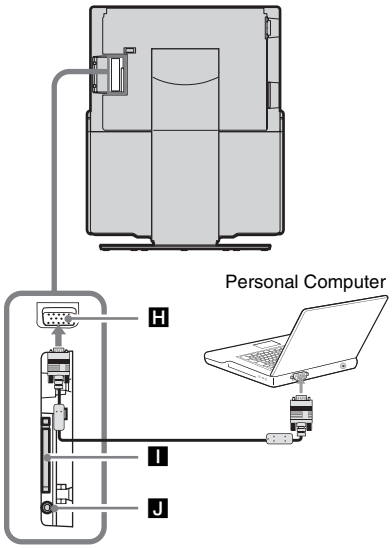
To connect	Do this
"PlayStation 2", DVD player or decoder **A**	Connect to the scart socket ⇦/⇦1. When you connect the decoder, the scrambled signal from the TV tuner is output to the decoder, then the unscrambled signal is output from the decoder.
DVD recorder or VCR that supports SmartLink **B**	Connect to the scart socket⇦/⇦2. SmartLink is a direct link between the system and a VCR/ DVD recorder. For more information on SmartLink, refer to the instruction manual supplied with your VCR or DVD recorder.
Personal Computer (Audio signal) **C**	Connect to the PC ⇦5 on the rear of the system (page 73).
AV amplifier **D**	Connect to the DVD DIGITAL OUT on the rear of the system. Refer to the instruction manual supplied with your AV amplifier. **Note** Super Audio CD/MP3/Video CD audio signals are not output from the DVD DIGITAL OUT jack.

Connecting to the system (side)



To connect	Do this
Digital satellite receiver **E**	Connect only to the HDMI IN 6 socket. The digital video and audio signals are input from the digital satellite receiver. If the digital satellite receiver has a DVI socket and not an HDMI socket, connect the DVI socket to the HDMI IN 6 socket, and connect the audio socket to the audio sockets HDMI IN 6. The digital video and analogue audio signals are input from the digital satellite receiver. **Note** If you use only the HDMI connection, and the connected equipment does not conform to PCM output, or equipment setting is incorrect, audio signal may not be output. Refer to the instruction manual supplied with the connected equipment for settings, etc.
S VHS/Hi 8/DVC camcorder **F**	Connect to the S video socket S⇦4 or the video socket ⇦4, and the audio sockets ⇦4. To avoid picture noise, do not connect the camcorder to the video socket ⇦4 and the S video socket S⇦4 at the same time. If you connect mono equipment, connect to the L/G/S/I sockets ⇦4, and set [Dual Sound] to [A] (page 40).
Headphones **G**	Connect to the ∩ socket to listen to sound on headphones.

Note
When connecting headphones, the lift unit does not move even if ↕■ is pressed.



To connect	Do this
Personal Computer **H**	Connect to the PC Input socket →5 and the audio socket **C** → on the rear of the system (page 73).
CAM (Conditional Access Module) **I** For encripted PPV (Pay per View) services.	Remove the dummy card from the CAM slot and insert the CAM. Insert the viewing card into the CAM.

Notes

- Switch off the system before inserting the CAM.
- Keep always the dummy card into the CAM slot when you remove the CAM.

Modem connector **J**	For future use only.

Specifications

Display unit

Power Requirements:
220–240 V AC, 50/60 Hz
Screen Size:
32 inches
Approx. 101.5 cm measured diagonally
Display Resolution:
1,366 dots (horizontal) × 768 lines (vertical)
Power Consumption:
240 W
Standby Power Consumption:
1 W or less
Dimensions (w × h × d):
Approx. 856.0 × 1,069.0 × 470.0 mm
Mass:
Approx. 58.0 kg

Panel system

LCD (Liquid Crystal Display) Panel

TV system

I

Colour system

Analogue:	PAL, SECAM NTSC 3.58, 4.43 (only Video In)
Digital:	MPEG-2 MP@ML

Aerial

75 ohm external terminal for VHF/UHF

Channel coverage

I: UHF B21–B69

Terminals

- AV1: /1
  21-pin Scart connector (CENELEC standard) including audio/video input, RGB input, and TV audio/video output.
- AV2: /2 (SMARTLINK)
  21-pin Scart connector (CENELEC standard) including audio/video input, RGB input, selectable audio/video output, and SmartLink interface.
- AV3: 3 (internal connection: DVD input)
- AV4: S4S video input (4-pin mini DIN)
  4 Video input (phono jack)
  4 Audio input (phono jacks)
- AV5: 5
  PC Input (15 Dsub)
  G: 0.7 Vp-p, 75 ohms, non Sync on Green
  B: 0.7 Vp-p, 75 ohms, non Sync on Green
  R: 0.7 Vp-p, 75 ohms, non Sync on Green
  HD: 1-5 Vp-p
  VD: 1-5 Vp-p
  PC audio input: minijack.
- AV6: 6
  HDMI: Video: 480i, 575i, 480p, 576p, 720p, 1080i
  Audio: Two channel linear PCM 32, 44.1 and 48 kHz, 16, 20 and 24 bits.
  AUDIO: 500 mVrms (100% modulation)
  Impedance: 47 kilo ohms
- Headphones jack
- CAM (Conditional Access Module) slot
- MODEM
  Modem jack (Not supported on this system)

Amplifier section

Front	Power output (rated): 40 W + 40 W (6 ohms, 1 kHz, THD 1 %) Continuous RMS power output (reference): 50 W + 50 W (6 ohms at 1 kHz, THD 10 %)
Subwoofer	Power output (rated): 80 W (3 ohms, 100 Hz, THD 1 %) Continuous RMS power output (reference): 100 W (3 ohms at 100 Hz, THD 10 %)

Super Audio CD/DVD system

Laser	Semiconductor laser (DVD: λ = 650 nm) (CD: λ = 790 nm) Emission duration: continuous
Signal format system	NTSC/PAL

FM section

System	PLL quartz-locked digital synthesizer system
Tuning range	87.5 – 108.0 MHz (50 kHz step)
Antenna (aerial)	FM wire antenna (aerial)
Antenna (aerial) terminals	75 ohms, unbalanced
Intermediate frequency	10.7 MHz

Speakers

Front

Speaker system	2-way Bass reflex type
Speaker unit	25 mm Dome type, 80 mm Cone type

Subwoofer

Speaker system	Bass reflex type
Speaker unit	130 mm Cone type × 2

Supplied accessories

- Remote RM-ANU005 (1)
- Size AA batteries (R6 type) (2)
- AC power cord (mains lead) (1)
- Screws (2)
- FM wire antenna (aerial) (1)
- Frame grille (1)
- Quick Start Guide (1)

Design and specifications are subject to change without notice.

PC specifications

Signals	Horizontal (Pixel)	Vertical (Line)	Horizontal frequency (kHz)	Vertical frequency (Hz)	Standard
VGA	640	480	31.5KHz	60Hz	VGA
	640	480	37.9KHz	72Hz	VESA
	640	480	37.5KHz	75Hz	VESA
	720	400	31.47KHz	70Hz	VGA-T
SVGA	800	600	35.1KHz	56Hz	VESA Guidelines
	800	600	37.9KHz	60Hz	VESA Guidelines
	800	600	48.1KHz	72Hz	VESA
	800	600	46.9KHz	75Hz	VESA
XGA	1024	768	48.4KHz	60Hz	VESA Guidelines
	1024	768	56.5KHz	70Hz	VESA
	1024	768	60.0KHz	75Hz	VESA
WXGA	1280	768	47.40KHz	60Hz	VESA
	1280	768	47.78KHz	60Hz	VESA

This system does not support Sync on Green or Composite Sync.
If a signal other than in the above chart is input, it may not be displayed properly or may not be displayed as you set.
Using the Vertical frequency (Hz) of the personal computer at 60 is recommended.

Language code list (DVD function only)

The language spellings conform to the ISO 639: 1988 (E/F) standard.

Code	Language	Code	Language	Code	Language	Code	Language
1027	Afar	1183	Irish	1347	Maori	1507	Samoan
1028	Abkhazian	1186	Scots Gaelic	1349	Macedonian	1508	Shona
1032	Afrikaans	1194	Galician	1350	Malayalam	1509	Somali
1039	Amharic	1196	Guarani	1352	Mongolian	1511	Albanian
1044	Arabic	1203	Gujarati	1353	Moldavian	1512	Serbian
1045	Assamese	1209	Hausa	1356	Marathi	1513	Siswati
1051	Aymara	1217	Hindi	1357	Malay	1514	Sesotho
1052	Azerbaijani	1226	Croatian	1358	Maltese	1515	Sundanese
1053	Bashkir	1229	Hungarian	1363	Burmese	1516	Swedish
1057	Byelorussian	1233	Armenian	1365	Nauru	1517	Swahili
1059	Bulgarian	1235	Interlingua	1369	Nepali	1521	Tamil
1060	Bihari	1239	Interlingue	1376	Dutch	1525	Telugu
1061	Bislama	1245	Inupiak	1379	Norwegian	1527	Tajik
1066	Bengali; Bangla	1248	Indonesian	1393	Occitan	1528	Thai
1067	Tibetan	1253	Icelandic	1403	(Afan)Oromo	1529	Tigrinya
1070	Breton	1254	Italian	1408	Oriya	1531	Turkmen
1079	Catalan	1257	Hebrew	1417	Punjabi	1532	Tagalog
1093	Corsican	1261	Japanese	1428	Polish	1534	Setswana
1097	Czech	1269	Yiddish	1435	Pashto; Pushto	1535	Tonga
1103	Welsh	1283	Javanese	1436	Portuguese	1538	Turkish
1105	Danish	1287	Georgian	1463	Quechua	1539	Tsonga
1109	German	1297	Kazakh	1481	Rhaeto-Romance	1540	Tatar
1130	Bhutani	1298	Greenlandic	1482	Kirundi	1543	Twi
1142	Greek	1299	Cambodian	1483	Romanian	1557	Ukrainian
1144	English	1300	Kannada	1489	Russian	1564	Urdu
1145	Esperanto	1301	Korean	1491	Kinyarwanda	1572	Uzbek
1149	Spanish	1305	Kashmiri	1495	Sanskrit	1581	Vietnamese
1150	Estonian	1307	Kurdish	1498	Sindhi	1587	Volapük
1151	Basque	1311	Kirghiz	1501	Sangho	1613	Wolof
1157	Persian	1313	Latin	1502	Serbo-Croatian	1632	Xhosa
1165	Finnish	1326	Lingala	1503	Singhalese	1665	Yoruba
1166	Fiji	1327	Laothian	1505	Slovak	1684	Chinese
1171	Faroese	1332	Lithuanian	1506	Slovenian	1697	Zulu
1174	French	1334	Latvian;Lettish				
1181	Frisian	1345	Malagasy			1703	Not specified

Parental control area code list

Code	Area	Code	Area	Code	Area	Code	Area
2044	Argentina	2165	Finland	2362	Mexico	2149	Spain
2047	Australia	2174	France	2376	Netherlands	2499	Sweden
2046	Austria	2109	Germany	2390	New Zealand	2086	Switzerland
2057	Belgium	2248	India	2379	Norway	2528	Thailand
2070	Brazil	2238	Indonesia	2427	Pakistan	2184	United Kingdom
2079	Canada	2254	Italy	2424	Philippines		
2090	Chile	2276	Japan	2436	Portugal		
2092	China	2304	Korea	2489	Russia		
2115	Denmark	2363	Malaysia	2501	Singapore		

Troubleshooting

Check whether the ⏻ (standby) indicator is flashing in red or "PROTECT" appears in the front panel display.

When ⏻ is flashing or "PROTECT" appears

The self-diagnosis function is activated.

1 Count how many times ⏻ (standby) flashes every two seconds and check if any LED lights blink or any messages or letters/numbers appear in the front panel display.
For example, the indicator flashes three times, then there is a two second break, followed by another three flashes, etc.

2 Press ⏻ on the system to switch it off, disconnect the AC power cord (mains lead), and inform your dealer or Sony service centre of how the indicator flashes (number of flashes), or any messages or letters/numbers that appear in the front panel display.

When ⏻ is not flashing or "PROTECT" does not appear

1 Check the items in the tables below.

2 If the problem still persists, have your system serviced by qualified service personnel.

Note that if service personnel changes some parts during repair, these parts may be retained.

Power

Problem	Cause/Remedy
The power is not turned on	• Check that the AC power cord (mains lead) is connected securely.

Picture

Problem	Cause/Remedy
No picture (screen is dark) and no sound	• Check the aerial connection. • Connect the system to the AC power source (mains), and press ⏻ on the system. • If the ⏻ (standby) indicator lights up in red, press I/⏻.
No picture or no menu information from equipment connected to the scart connector	• Check that the optional equipment is on and press ⏎/⏏ repeatedly until the correct input symbol is displayed on the screen. • Check the connection between the optional equipment and the system.
Distorted picture	• Check if any connected optional equipment is installed in front of the system or beside the system. When installing optional equipment, leave some space between the optional equipment and the system. • When changing programmes or selecting Text, turn off any equipment connected to the scart connector on the rear of the system.
Double images or ghosting	• Check aerial/cable connections. • Check the aerial location and direction.
Only snow and noise appear on the screen	• Check if the aerial is broken or bent. • Check if the aerial has reached the end of its serviceable life (three to five years in normal use, one to two years at the seaside).

Continued

Problem	Cause/Remedy
Picture (dotted lines or stripes) noise	• Keep the system away from electrical noise sources such as cars, motorcycles, or hair-dryers. • Make sure that the aerial is connected using the supplied coaxial cable. • Keep the aerial cable away from other connecting cables. • Do not use a 300-ohm twin lead cable as interference may occur.
Picture noise when viewing a TV channel	• Select [Manual Programme Preset] in the [Set Up] menu and adjust [AFT] (Automatic Fine Tuning) to obtain better picture reception (page 45). • Select [Noise Reduction] in the [Picture Adjustment] menu to reduce the noise in the picture (page 39).
Stripe noise during playback/ recording of a VCR	• Video head interference. Keep your component away from the system. • Leave a space of 30 cm between your component and the system to avoid noise. • Avoid installing your component in front of the system or beside the system.
Some tiny black points and/or bright points on the screen	• The picture of a display unit is composed of pixels. Tiny black points and/or bright points (pixels) on the screen do not indicate a malfunction.
No colour on programmes	• Select [Reset] in the [Picture Adjustment] menu to return to the factory settings (page 39).
There is no picture	• If the FM function is selected, there will be no picture - ensure that this function is not selected.
Picture noise appears	• The disc is dirty or flawed. • If picture noise occurs during AV1 or AV2 connection, check the output setting of the connected equipment. See the operating instructions of the connected equipment for details.

Sound

Problem	Cause/Remedy
No sound, but good picture	• Press +/– or .
No sound when using HDMI connection	• If you use only the HDMI connection, and the connected equipment does not conform to PCM output, or equipment setting is incorrect, audio signal may not be output. Refer to the instruction manual supplied with the connected equipment for settings, etc.
Noisy sound	• See the “Picture noise” causes/remedies on page 80. • If audio noise occurs during AV1 or AV2 connection, check the output setting of the connected equipment. See the operating instructions of the connected equipment for details.
Audio distortion	• See “Audio Filter” on page 45.
There is no sound	• Press on the remote if “MUTING ON” is displayed in the front panel display. • The system is in pause mode or in Slow-motion Play mode. Press to return to normal play mode. • Fast forward or fast reverse is performed. Press to return to normal play mode.

Problem	Cause/Remedy
Severe hum or noise is heard	• Check that the components are connected securely. • Check that the connecting cords are away from a transformer or motor, and at least 3 meters away from the system or a fluorescent light. • Move the system away from the audio components. • The plugs and jacks are dirty. Wipe them with a cloth slightly moistened with alcohol. • Clean the disc.
The sound loses stereo effect when you play a VIDEO CD, CD or DATA CD/DATA DVD (MP3 audio)	• Set [AUDIO] to [STEREO] by pressing AUDIO (page 31). • Make sure the system is connected properly.
The surround effect is difficult to hear when you are playing a Dolby Digital, DTS, or MPEG audio sound track	• Make sure the sound field is set to "FRONT SURROUND" (page 29). • Depending on the DVD, the output signal may not be the entire 5.1 channel. It may be monaural or stereo even if the sound track is recorded in Dolby Digital or MPEG audio format.

Channels

Problem	Cause/Remedy
The desired channel cannot be selected	• Switch between digital and analogue mode and select the desired digital/ analogue channel.
Some channels are blank	• Scrambled/Subscription only channel. Subscribe to the Pay Per View service. • Channel is used only for data (no picture or sound). • Contact the broadcaster for transmission details.
Digital channel is not displayed	• Check that the aerial is plugged directly into the system (not through other equipment). • Contact a local installer to find out if digital transmissions are provided in your area. • Upgrade to a higher gain aerial.

General

Problem	Cause/Remedy
"Lift Stop" appears in the front panel display or the lift unit does not move	• To prevent a malfunction, the lift unit stops moving when the unit's sensor detects an obstacle. If this occurs, remove any obstacles, then turn off the system. Turn on the system again, and then press ↕■ to move the lift unit. • The lift unit does not move when headphones are connected.
The system turns off automatically (the system enters standby mode)	• The system automatically switches to standby mode in the following situations: – [Off Time] in [Timer] – other than [Off] in [Sleep Timer] – no signal from TV – no input signal from a connected PC.
The system turns on automatically	• Check if the [Timer] is activated (page 42).
Some input sources cannot be selected	• Select [AV Preset] in the [Set Up] menu and cancel [Skip] of the input source (page 44).

Continued

Problem	Cause/Remedy
The remote does not function	• Check that the remote is set correctly for the equipment you are using. • Replace the batteries.
FM stations cannot be tuned in	• Check that the aerial is connected securely. Adjust the aerial or connect an external aerial if necessary (page 16). • The signal strength of the stations is too weak (when tuning in with automatic tuning). Use direct tuning. • No stations have been preset or the preset stations have been cleared (when tuning by scanning preset stations). Preset the stations (page 36). • Press TIME/TEXT so that the frequency appears in the front panel display.
The remote does not function	• There are obstacles between the remote and the system. • The distance between the remote and the system is too far. • The remote is not pointed at the remote sensor on the system. • The batteries in the remote are weak.
The disc does not play	• There is no disc inserted. • The disc is upside down. Insert the disc with its label facing forward. • The system cannot play CD-ROMs, etc. (page 26). • The region code on the DVD does not match the system. • Moisture has condensed inside the system and may cause damage to the lenses. Remove the disc and leave the system turned on for about half an hour.
The menu operations do not work	• Check the CURSOR MODE buttons (page 11).
The MP3 audio track cannot be played	• The DATA CD is not recorded in the MP3 format that conforms to ISO 9660 Level 1/Level 2 or Joliet. • The DATA DVD is not recorded in the MP3 format that conforms to UDF (Universal Disk Format). • The MP3 audio track does not have the extension ".MP3." • The data is not formatted in MP3 even though it has the extension ".MP3." • The data is not MPEG1 Audio Layer 3 data. • The system cannot play audio tracks in MP3PRO format. • The [MODE (MP3, JPEG)] setting has been set to [IMAGE (JPEG)] (page 61). • The DATA CD/DATA DVD contains a DivX video file.
The JPEG image file cannot be played	• The DATA CD is not recorded in a JPEG format that conforms to ISO 9660 Level 1/Level 2, or Joliet. • The DATA DVD is not recorded in the MP3 format that conforms to UDF (Universal Disk Format). • It has an extension other than ".JPEG" or ".JPG." • It is larger than 3,072 (width) × 2,048 (height) in normal mode, or more than 2,000,000 pixels in Progressive JPEG which is used on Internet Web site mainly. • It does not fit the screen (those images are reduced). • The [MODE (MP3, JPEG)] setting has been set to [AUDIO (MP3)] (page 61). • The DATA CD/DATA DVD contains a DivX video file.
The MP3 audio tracks and JPEG image file starts playing simultaneously	• [AUTO] has been selected in [MODE (MP3, JPEG)] (page 61).

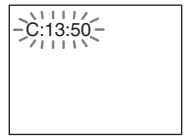
Problem	Cause/Remedy
The DivX video file cannot be played	• The file is not created in DivX format. • The file has an extension other than ".AVI" or ".DIVX." • The DATA CD/DATA DVD (DivX video) is not created in a DivX format that conforms to ISO 9660 Level 1/Level 2 or, Joliet/UDF. • The DivX video file is larger than 720 (width) × 576 (height).
The titles of album/track/file name are not displayed correctly	• The system can only display numbers and letters of the alphabets. Other characters are displayed as [*].
A disc does not start playing from the beginning	• Programme play, Shuffle Play, or Repeat Play has been selected. Press CLEAR to cancel these functions before playing a disc. • Resume Play has been selected. During stop, press ■ on the system or the remote and then start playback (page 32). • The title, DVD or PBC menu automatically appears on the TV screen.
The system starts playing the disc automatically	• The DVD features an auto playback function.
Playback stops automatically	• Some discs may contain an auto pause signal. While playing such a disc, the system stops playback at the auto pause signal.
You cannot perform some functions such as Stop, Search, Slow-motion Play, or Repeat Play	• Depending on the disc, you may not be able to perform some of the operations above. See the operating manual that came with the disc.
Messages do not appear on the screen in the language you want	• In the Setup Display, select the desired language for the on-screen display in [OSD] under [LANGUAGE SETUP] (page 67).
The language for the sound track cannot be changed	• Multilingual tracks are not recorded on the DVD being played. • The DVD prohibits changing the language for the sound track.
The subtitle language cannot be changed	• Multilingual subtitles are not recorded on the DVD being played. • The DVD prohibits changing the subtitles.
The subtitle cannot be turned off	• The DVD prohibits turning off subtitles.
The angles cannot be changed	• Multi-angles are not recorded on the DVD being played (page 34). • The DVD prohibits changing the angles.
A disc cannot be ejected and "LOCKED" appears in the front panel display	• Contact your Sony dealer or local authorized Sony service facility.
[Data error] appears on the TV screen when playing a DATA CD or DATA DVD	• The MP3 audio track/JPEG image file/DivX video file you want to play is broken. • The data is not MPEG1 Audio Layer 3 data. • The JPEG image file format does not conform to DCF. • The JPEG image file has the extension ".JPG" or ".JPEG," but is not in JPEG format. • The file you want to play has the extension ".AVI" or ".DIVX" but is not in DivX format, or is in DivX format but does not conform to a DivX Certified profiles.
"DEMO" appears in the front panel display	• Contact your Sony dealer or local authorized Sony service facility.
The system does not work normally	• Disconnect the AC power cord (mains lead) from the wall outlet (mains), then reconnect after several minutes.

Continued

Self-diagnosis function (DVD function only)

(When letters/numbers appear in the display)

When the self-diagnosis function is activated to prevent the system from malfunctioning, a 5-character service number (e.g., C 13 50) with a combination of a letter and 4 digits appears on the screen and the front panel display. In this case, check the following table.



First 3 characters of the service number	Cause and/or corrective action
C 13	The disc is dirty. Clean the disc with a soft cloth (page 9).
C 31	The disc is not inserted correctly. Restart the system, then re-insert the disc correctly.
E XX (xx is a number)	To prevent a malfunction, the system has performed the self-diagnosis function. Contact your nearest Sony dealer or local authorized Sony service facility and give the 5-character service number. Example: E 61 10

When displaying the version number on the screen

When you turn on the system, the version number [VER.X.XX] (X is a number) may appear on the screen. Although this is not a malfunction and for Sony service use only, normal system operation will not be possible. Turn off the system, and then turn on the system again to operate.

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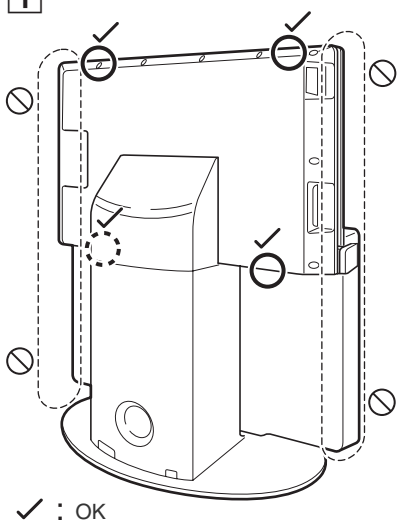
When transporting the system, follow the protection procedure (page 9).

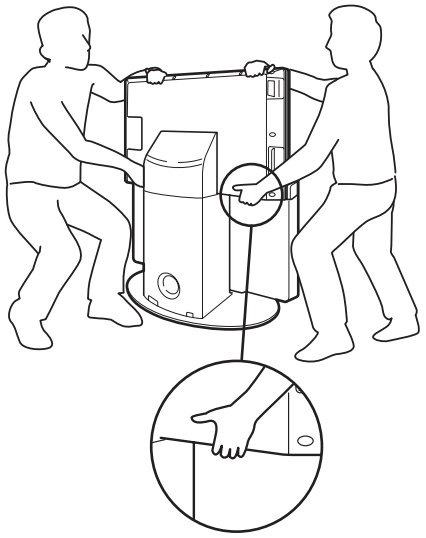
1



✓ : OK

⊘ : Do not hold

2



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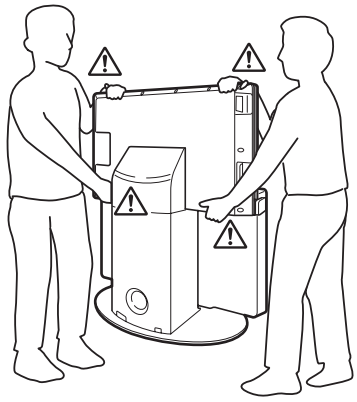

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